TOSHIBA

Operating Guide

Integrated High Definition LCD TV/DVD Combination

26HLV66
32HLV66
37HLV66

IMPORTANT NOTE

Before connecting, operating, or adjusting this product, carefully read the Important Safety, Installation, Care, and Service information in the separate *Installation Guide*.

For an overview of steps for setting up your new TV, see page 6.

Note: To display a High Definition picture, the TV must be receiving a High Definition signal (such as an over-the-air High Definition TV broadcast, a High Definition digital cable program, or a High Definition digital satellite program). For details, please contact your TV antenna installer, cable provider, or satellite provider.

Owner's Record

The model number and serial number are on the back of your TV. Record these numbers in the spaces below. Refer to these numbers whenever you communicate with your Toshiba dealer about this TV.

Model number:

Serial number:

YC/M VX1A000069A0

FCC Declaration of Conformity Compliance Statement (Part 15):

The **Toshiba 26HLV66, 32HLV66, and 37HLV66 Televisions** comply with Part 15 of the FCC rules.

Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

The party responsible for compliance to these rules is:
Toshiba America Consumer Products, L.L.C.
82 Totowa Rd. Wayne, NJ 07470.
Ph: 1-800-631-3811

Note: *This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by removing and applying power to the equipment, the user is encouraged to try to correct the interference by one or more of the following measures:*

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Caution: *Changes or modifications to this equipment not expressly approved by Toshiba could void the user's authority to operate this equipment.*

Important notes about your LCD TV/DVD combination

The following symptoms are technical limitations of LCD Display technology and are not an indication of malfunction; therefore, Toshiba is not responsible for perceived issues resulting from these symptoms.

1) An afterimage (ghost) may appear on the screen if a fixed, non-moving image is displayed for a long period of time. The afterimage is not permanent and will disappear in a short period of time.
2) The LCD panel contained in this TV is manufactured using an extremely high level of precision technology; however, there may be an occasional pixel (dot of light) that does not operate properly (does not light, remains constantly lit, etc.). This is a structural property of LCD technology, is not a sign of malfunction, and is not covered under your warranty. Such pixels are not visible when the picture is viewed from a normal viewing distance.

Note: *Interactive video games that involve shooting a "gun" type of joystick at an on-screen target may not work with this TV.*

About this Guide (DVD player section)

This Guide explains the basic instructions for using the internal DVD player. Some DVDs are produced in a manner that allows specific or limited operation during playback. As such, the DVD player may not respond to all operating commands. This is not a defect in the DVD player.

Refer to the instructions provided with your DVDs.

If the symbol "✋" appears on-screen during DVD operation, it means that the operation or feature is not permitted or available for the DVD player or disc.

For example, sometimes the DVD player is unable to stop playback of the DVD's copyright message when the STOP ■ button is pressed.

Trademark Information

- WOW, SRS and (●) symbol are trademarks of SRS Labs, Inc. WOW technology is incorporated under license from SRS Labs, Inc.
- Manufactured under license from Dolby Laboratories. Dolby and the double-D symbol are registered trademarks of Dolby Laboratories.
- HDMI, the HDMI logo and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC.
- DVD VIDEO is a trademark of DVD Format/Logo Licensing Corporation.

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(continued)

Welcome to Toshiba

Thank you for purchasing this Toshiba LCD TV/DVD combination, one of the most innovative LCD TVs on the market. This digital television is capable of receiving analog basic, digital basic, and digital premium cable television programming by direct connection to a cable system providing such programming. A security card provided by your cable operator is required to view encrypted digital programming. Certain advanced or interactive digital cable services (such as video-on-demand, a cable operator's enhanced program guide, and data-enhanced television services) may require the use of a set-top box. For more information call your local cable operator.

We have provided two separate Guides to facilitate the installation and operation of your TV.

Please use the Guides in the order shown below to get the most enjoyment from your new TV.

1) The *Installation Guide* explains how to connect your TV to your antenna and equipment.
2) The *Operating Guide* (this Guide) provides step-by-step instructions for using your TV's many features.

Features of your new TV

The following are just a few of the many exciting features of your new Toshiba widescreen, integrated HD, LCD TV:

- **Integrated digital tuning (8VSB ATSC and QAM)** eliminates the need for a separate digital converter set-top box (in most cases).
- **HDMI™** digital, high-definition multimedia interface (☞ *Installation Guide*).
- **Two sets of ColorStream® HD** high-resolution component video inputs (☞ *Installation Guide*).
- **SRS WOW™** audio technologies (☞ page 44).
- **Digital Audio Out** optical audio connection with Dolby® Digital optical output format (☞ page 34; also see *Installation Guide*).
- **CableClear®** digital picture noise reduction (☞ page 42).
- **PC IN (Analog RGB)** computer terminal (☞ *Installation Guide*).
- **DVD video (and Video CD, Audio CD) player** (☞ page 54).
- **Ethernet (RJ-45) (THINC™) port** for connecting the TV to a home network to enable file sharing (JPEG, MP3) (☞ Chapter 7 and *Installation Guide*).

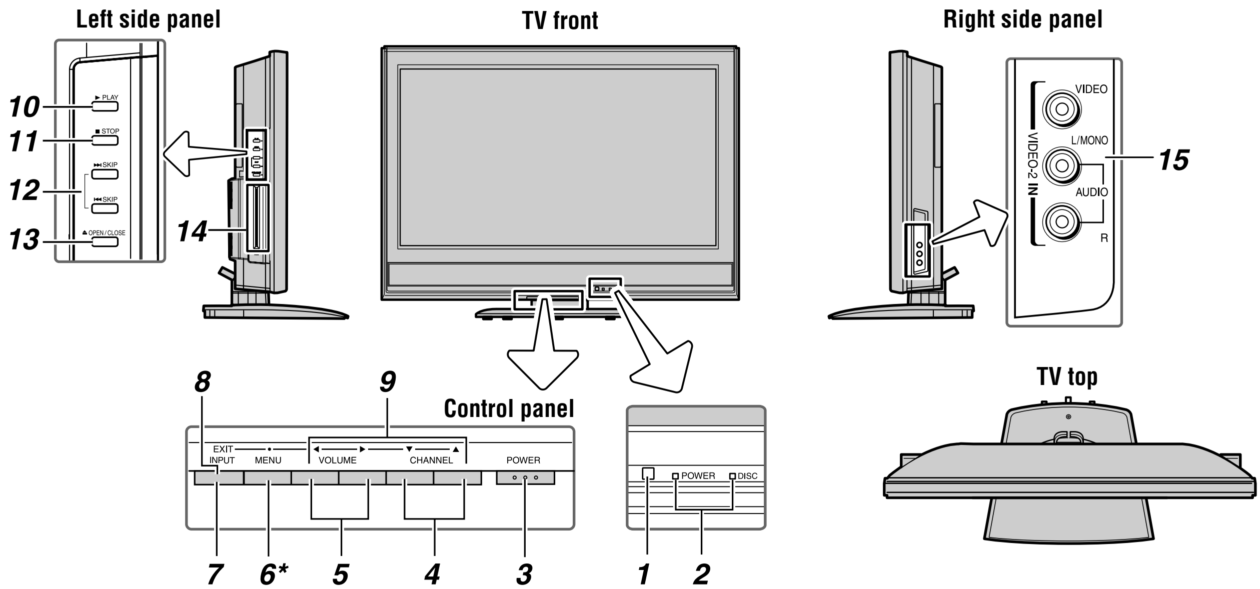
(continued)

Overview of steps for installing, setting up, and using your new TV

Follow these steps to set up your TV and begin using its many exciting features.

1. Carefully read the important safety, installation, care, and service information in the separate *Installation Guide*. Keep this manual for future reference.
2. Observe the following when choosing a location for the TV:
   - Read the separate *Installation Guide*.
   - Read “Important notes about your LCD TV/DVD combination” (☞ page 2).
   - Place the TV on the floor or a sturdy, level, stable surface that can support the weight of the unit. Secure the TV to a wall, pillar, or other immovable structure as described in the *Installation Guide*.
   - Place the TV in a location where light does not reflect on the screen.
   - Place the TV far enough from walls and other objects to allow proper ventilation. Inadequate ventilation may cause overheating, which will damage the TV. THIS TYPE OF DAMAGE IS NOT COVERED UNDER THE TOSHIBA WARRANTY.
3. Do not plug in any power cords until AFTER you have connected all cables and devices to your TV.
4. BEFORE connecting cables or devices to the TV, learn the functions of the TV’s connections and controls (☞ pages 7–8).
5. Connect your other electronic device(s) to the TV (☞ *Installation Guide*).
6. Install the batteries in the remote control (☞ page 9).
7. See “Learning about the remote control” (☞ page 10) for an overview of the buttons on the remote control.
8. Program the remote control to operate your other device(s) (☞ pages 11–15).
9. AFTER connecting all cables and devices, plug in the power cords for your TV and other devices. The yellow LED will blink until the TV goes into standby mode. When the TV is in standby mode, press **POWER** on the TV control panel or remote control to turn on the TV. If the TV stops responding to the controls on the remote control or TV control panel and you cannot turn the TV off or on, press and hold the **POWER** button for 5 seconds to reset the TV.
10. See “Menu layout and navigation” for a quick overview of navigating the TV’s menu system (☞ page 16).
11. Program channels into the TV’s channel memory (☞ page 19).
12. For details on using the TV’s features, see Chapters 5 and 6.
13. For details on connecting the TV to a home network to enable file sharing, see Chapter 7.
14. For details on using the DVD's features, see Chapter 8.
15. For help, refer to the Troubleshooting Guide, Chapter 9.
16. For technical specifications and warranty information, see Chapter 10.
17. Enjoy your new TV/DVD!

TV front and side panel controls and connections



1 **Remote sensor** — Point the remote control toward this remote sensor (☞ "Remote control effective range" on page 9).

2 **Blue and Yellow LEDs**

Blue = Power indicator

Yellow = Disc indicator

See "LED indications" on page 64 for additional information.

3 **POWER** — Press to turn the TV on and off.

If the TV stops responding to the controls on the remote control or TV control panel and you cannot turn off the TV, press and hold the **POWER** button on the TV control panel for 5 or more seconds to reset the TV.

4 **CHANNEL ▲▼** — When no menu is on-screen, these buttons change the channel (programmed channels only; ☞ page 19). When a menu is on-screen, these buttons function as up/down menu navigation buttons.

5 **VOLUME ◀ ▶** — When no menu is on-screen, these buttons adjust the volume level. When a menu is on-screen, these buttons function as left/right menu navigation buttons.

6 ***MENU (ENTER)** — Press to access the menu system (☞ pages 16–17). When a menu is on-screen, the **MENU** button on the TV's control panel functions as the **ENTER** button.

7 **INPUT** — Repeatedly press to change the source you are viewing (**ANT 1, Built-In DVD, VIDEO 1, VIDEO 2, ColorStream HD-1, ColorStream HD-2, HDMI, PC**).

8 **EXIT** — Press to instantly close an on-screen menu.

9 **ARROWS ▲▼◀▶** — When a menu is on-screen, these buttons function as up/down/left/right menu navigation buttons.

10 **PLAY** — Press to play a DVD video disc, or other playable disc.

11 **STOP** — Press to stop a DVD video disc, or other playable disc.

12 **SKIP** — Press to skip DVD chapter, or CD track.

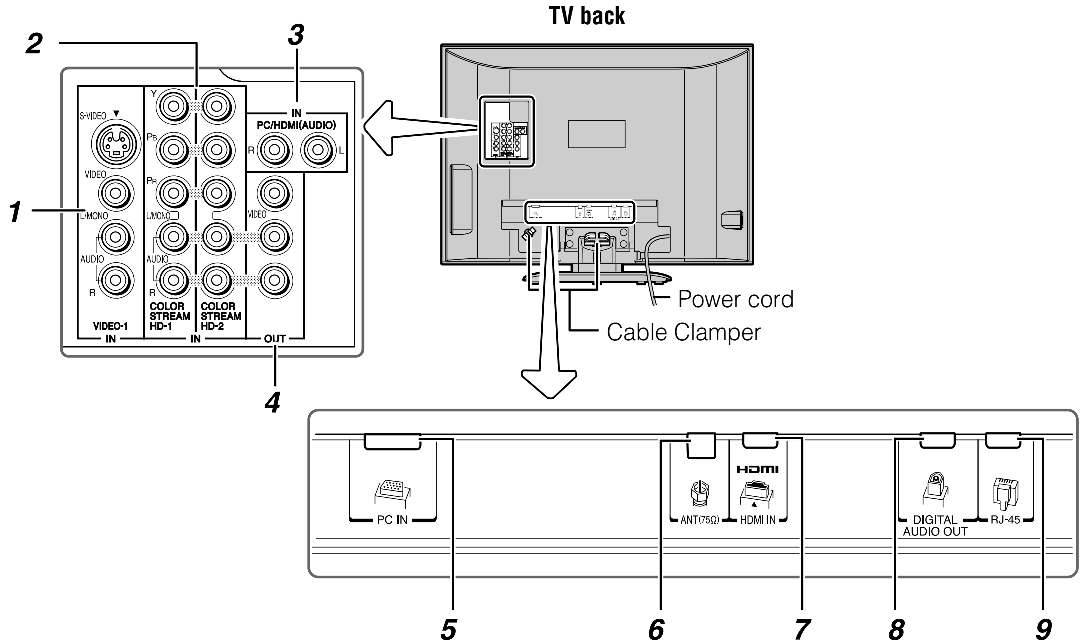
13 **OPEN/CLOSE** — Press to eject a disc.

14 **DVD disc slot** — Insert a playable disc to play.

15 **VIDEO-2 IN** — The side panel A/V connections are referred to as "**VIDEO 2**" and include standard A/V connections.

TV back panel connections

For an explanation of cable types and connections, see the *Installation Guide*.



1 **VIDEO-1 IN** — Standard (composite) video and standard audio inputs plus optional S-video inputs for connecting devices with composite video or S-video output.

Note: *Standard (composite) video and S-video cables carry only video information; separate audio cables are required for a complete connection.*

2 **ColorStream® HD-1** and **ColorStream® HD-2** — Two sets of ColorStream® high-definition component video inputs (with standard stereo audio inputs) for connecting devices with component video output, such as a Toshiba DVD player with ColorStream®.

Note: *Component video cables carry only video information; separate audio cables are required for a complete connection.*

3 **PC/HDMI (AUDIO) IN** — PC audio input terminals are shared with HDMI analog audio input terminals, and their use can be configured in the **Setup** menu (☞ page 39).

4 **A/V OUT** — Standard composite video and analog audio outputs for connecting a VCR for editing and dubbing.

5 **PC IN** — For use when connecting a personal computer.

6 **ANT** — Antenna input that supports analog (NTSC) and digital (ATSC) off-air antenna signals and analog and digital Cable TV (QAM) signals.

7 **HDMI™ IN** — High-Definition Multimedia Interface input receives digital audio and uncompressed digital video from an HDMI device or uncompressed digital video from a DVI device. Also see item 3.

8 **Digital Audio OUT** — Optical audio output in Dolby Digital or PCM (pulse-code modulation) format for connecting an external Dolby Digital decoder, amplifier, A/V receiver, or home theater system with optical audio input.

9 **RJ-45 (Ethernet) (THINC™ system*)** — Allows you to connect the TV to your home network. See boxed note below.

***THINC™ system**
(Toshiba Home Interactive Network Connection)

The RJ-45 (Ethernet) port allows your Toshiba TV to connect to your home network. This revolutionary home entertainment networking system lets you access MP3 audio files and JPEG picture files that are stored on a networked PC (as shared files) and play/display them on your TV.
You also can play your shared MP3 audio files through a connected audio system.
See *Installation Guide* and Chapter 7 for details.

Preparing the remote control for use

Your TV remote control can operate your TV and many other devices such as cable converter boxes, satellite receivers, VCRs, DVD players, and HTIBs (home theater in a box), even if they are different brands.

If you have a Toshiba device:

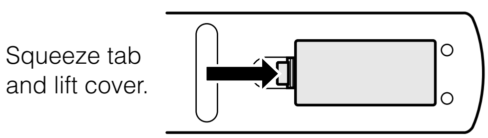
Your TV remote control is preprogrammed to operate most Toshiba devices (☞ page 13).

If you have a non-Toshiba device or a Toshiba device that the remote control is not preprogrammed to operate:

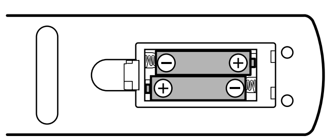
You can program the TV remote control so it will operate the other device (☞ pages 11–15).

Installing the remote control batteries

1 Remove the battery cover from the back of the remote control.



2 Install two “AAA” size batteries, making sure to match the + and – signs on the batteries to the signs on the battery compartment.



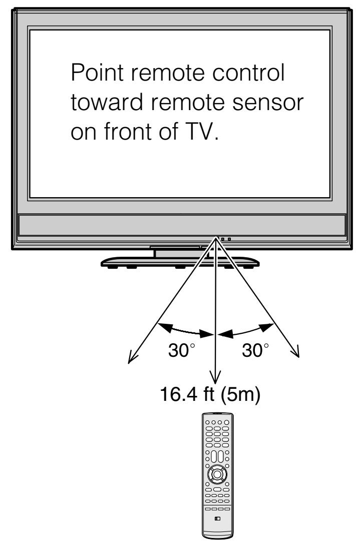
3 Reinsert the battery cover in the remote control until the tab snaps.

Caution: *Never throw batteries into a fire.*

Note:
- *Be sure to use AAA size batteries.*
- *Dispose of batteries in a designated disposal area.*
- *Batteries should always be disposed of with the environment in mind. Always dispose of batteries in accordance with applicable laws and regulations.*
- *If the remote control does not operate correctly, or if the operating range becomes reduced, replace batteries with new ones.*
- *When necessary to replace batteries in the remote control, always replace both batteries with new ones. Never mix battery types or use new and used batteries in combination.*
- *Always remove batteries from the remote control if they are dead or if the remote control is not to be used for an extended period of time. This will prevent battery acid from leaking into the battery compartment.*

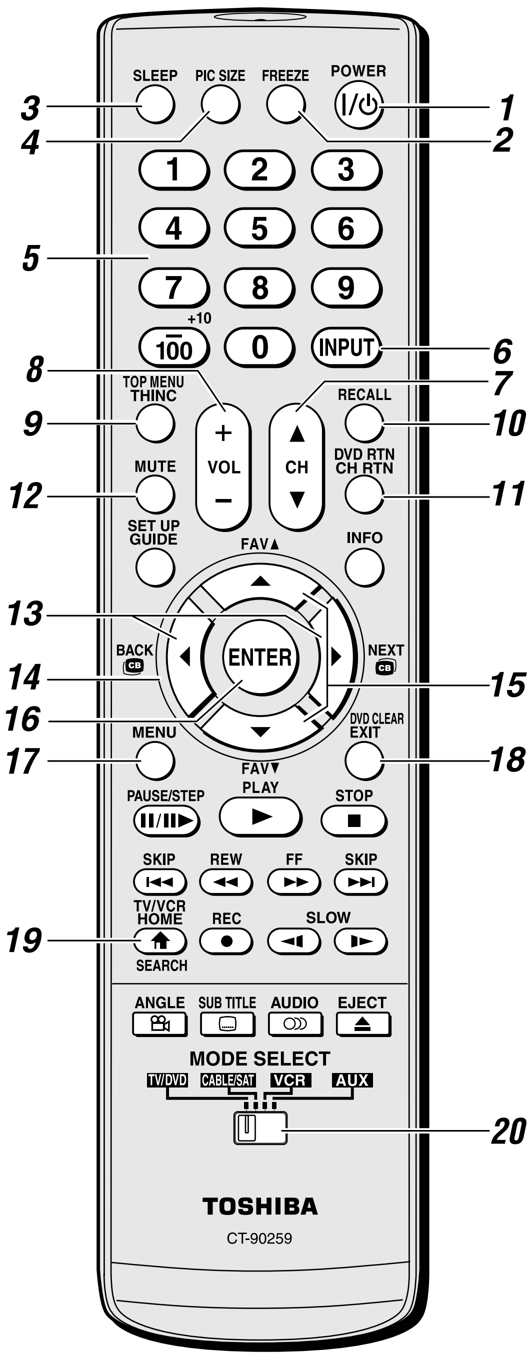
Remote control effective range

For optimum performance, aim the remote control directly at the TV and make sure there is no obstruction between the remote control and the TV.



Learning about the remote control

The buttons used for operating the TV only are described here. For a complete list of the remote control's functions, see the remote control functional key chart (☞ page 12).



Note: *The error message "NOT AVAILABLE" may appear if you press a key for a function that is not available.*

1. **POWER** turns the TV on and off. When the TV is on, the blue LED indicator on the TV front will be illuminated.
2. **FREEZE** freezes the picture. Press again to restore the moving picture.
3. **SLEEP** accesses the sleep timer (☞ page 40).
4. **PIC SIZE** cycles through the five pictures sizes: **Natural**, **TheaterWide 1/2/3**, and **Full** (☞ page 27).
5. **Channel Numbers (0–9, –/100)** directly tune channels. The (100) button is used to tune digital channels (☞ page 26) or to display the favorite channel list (☞ page 20).
6. **INPUT** selects the video input source (☞ page 23).
7. **CH ▲▼** cycles through programmed channels when no menu is on-screen (☞ page 19), and functions as page up/down when a menu is on-screen.
8. **VOL + –** adjusts the volume level.
9. **THINC** accesses the THINC menu (☞ page 17).
10. **RECALL** displays TV setting information on-screen (☞ page 40).
11. **CH RTN** returns to the last viewed channel (☞ page 26), or stops the Picture Viewer slide show (☞ page 52). Also can be used to go between the song select and file select view in the Audio Player (☞ page 53).
12. **MUTE** reduces or turns off the sound (☞ page 32).
13. BACK CB ◀ / NEXT CB ▶ While watching TV, these buttons open the Channel Browser™ banner and tune to the previous/next channel in the channel history (☞ page 25). (Also see "Arrow buttons.")
14. **Arrow buttons (▲▼◀▶)** When a menu is on-screen, these buttons select or adjust programming menus. (Also see BACK CB ◀ / NEXT CB ▶.)
15. **FAV ▲▼** tunes to the next higher/lower favorite channel (☞ page 21).
16. **ENTER** activates highlighted items in the main menu system.
17. **MENU** accesses the main TV menu system (☞ pages 16 and 17).
18. **EXIT** closes on-screen menus.
19. **HOME** (🏠) accesses the Home function of the Channel Browser™ feature (☞ page 26).
20. **MODE SELECT switch** switches between TV/DVD, CABLE/SAT, VCR, and AUX modes (☞ page 11). Set to "TV/DVD" to control the TV.

You can also control the built-in DVD when the **MODE SELECT switch** on the remote control is in TV/DVD mode. For DVD operation the following buttons are used: **TOP MENU**, **DVD RTN, SET UP**, **DVD CLEAR**, **PAUSE**, **PLAY**, **STOP**, **SKIP**, **REW**, **FF**, **SEARCH**, **REC**, **SLOW**, **ANGLE**, **SUB TITLE**, **AUDIO**, and **EJECT** (☞ Chapter 8).

Using the remote control to control your other devices

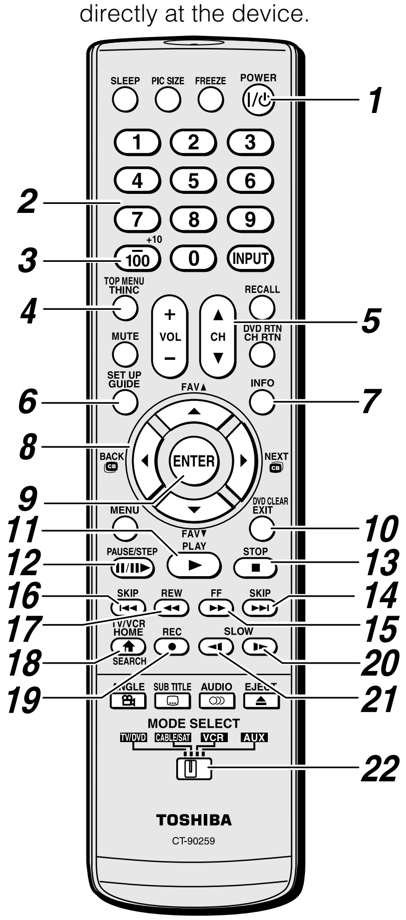
If you have a non-Toshiba device or a Toshiba device that the remote control is not preprogrammed to operate, you must first program the remote control to recognize the device (if you have not already done so) (☞ pages 13–15).

To use your TV remote control to operate a:

- Cable converter box or satellite receiver, set the **MODE SELECT switch** to **CABLE/SAT**.
- VCR, set the **MODE SELECT switch** to **VCR**.
- DVD player or HTIB, set the **MODE SELECT switch** to **AUX**.

Note: *Even after the TV remote control is programmed, it may not operate certain features on your other device. If this happens and you wish to use those features, you will need to use the device's original remote control.*

Point the remote control directly at the device.



1 **POWER** Turns the selected device on and off.

2 **Channel Numbers (0-9)** Press to directly access channels (as opposed to ▲CH ▼CH).

3 **+10** Press to directly access DVD chapters higher than 10.

4 **TOP MENU** Accesses a DVD's top menu.

5 **CH ▲▼** For channels programmed into the channel memory (☞ page 26):
▲ selects the next higher channel.
▼ selects the next lower channel.

6 **GUIDE** Displays the channel guide in the CABLE/SAT mode.
SET UP Accesses a DVD's setup menu in the AUX mode.

7 **INFO** Displays TV status information on-screen.

8 **▲▼◀▶** Press to navigate DVD menus (may not work on some DVD players).

9 **ENTER** Required by some satellite receivers and DVD players to activate certain functions.

10 **DVD CLEAR** Press to reset the title and chapter number.

11 **PLAY** Begins playback of a tape or DVD.

12 **PAUSE** Press during play or record mode to pause the picture; press again to restart.

13 **STOP** Stops the tape or DVD.

14 **SKIP ▶▶|** Skips forward to locate later DVD chapters.

15 **FF** Fast-forwards the tape or DVD. (Press during play mode to view the picture moving rapidly forward.)

16 **SKIP |◀◀** Skips back to beginning of current DVD chapter, or locates previous chapters.

17 **REW** Rewinds/reverses the tape or DVD. (Press during play mode to view the picture moving rapidly backward.)

18 **TV/VCR** To view one program while recording another, press to select TV mode.

19 **REC** Starts tape recording.

20 **SLOW |▶** Slow-forwards the DVD.

21 **SLOW ◀|** Slow-reverses the DVD.

22 **MODE SELECT switch** Set to "TV/DVD" to control the TV; "CABLE/SAT" to control a cable converter box or satellite receiver; "VCR" to control a VCR; "AUX" to control a DVD player or HTIB.

Remote Control functional key chart

Note:
- *"---" = key does not send a signal in that remote control mode.*
- *←TV = key will affect the TV, even when the remote control is not in the "TV/DVD" device mode.*

REMOTE CONTROL KEY	Toshiba TV/ Built-in DVD	CABLE	SAT (satellite)	VCR	AUX
POWER	Power	Power	Power	Power	Power
SLEEP	Sleep timer	← TV	← TV	← TV	← TV
PIC SIZE	Picture size	← TV	← TV	← TV	← TV
FREEZE	Freeze picture	← TV	← TV	← TV	← TV
1-9	Digit 1-9	Digit 1-9	Digit 1-9	Digit 1-9	Digit 1-9
0	Digit 0	Digit 0	Digit 0	Digit 0	Digit 0
100/–/+10	– (Digital separator)	---	– (sub CH)	100	– (Digital separator)
INPUT	TV/Video select	← TV	← TV	← TV	← TV
THINC/TOP MENU	THINC Menu DVD TOP Menu	← TV	← TV	← TV	Top Menu
MUTE	Sound mute	← TV	← TV	← TV	← TV
SET UP/GUIDE	DVD setup	---	SAT Guide	---	DVD Setup
VOL + –	Volume up/down	← TV	← TV	← TV	← TV
CH▲▼	Channel up/down	Channel up/down	Channel up/down	Channel up/down	---
RECALL	RECALL	← TV	← TV	← TV	← TV
CH RTN/DVD RTN	Previous channel DVD previous menu	---	---	---	---
INFO	---	---	Info	---	Display
ENTER	Enter	---	Select Enter	---	Enter
▲▼/FAV▲▼	Menu select/ FAV up/down	---	Menu up/down	---	Menu up/down
◀ BACK CB	Menu select/ Channel Browser™	---	Menu left	---	Menu left
▶ NEXT CB	Menu select/ Channel Browser™	---	Menu right	---	Menu right
MENU	Menu	---	Menu	---	DVD Menu
EXIT/DVD CLEAR	Exit DVD clear	---	Exit	---	DVD Clear
PAUSE/STEP	Pause	---	---	Pause	Pause
PLAY	Play	---	---	Play	Play
STOP	Stop	---	---	Stop	Stop
SKIP ⏮	Skip REV	---	---	---	Skip REV
SKIP ⏭	Skip FWD	---	---	---	Skip FWD
REW	Rewind	---	---	Rewind	Rewind
FF	Fast FWD	---	---	Fast FWD	Fast FWD
HOME/ TV/VCR/ SEARCH	Channel Browser™ Home/ DVD search	---	---	TV/VCR	DVD search
REC	---	---	---	Record (2 click)	---
SLOW –	SLOW REW	---	---	---	---
SLOW +	SLOW FWD	---	---	---	---
ANGLE	Angle	---	---	---	Angle
SUB TITLE	Sub title	---	---	---	Sub title
AUDIO	Audio	---	---	---	Audio
EJECT	Eject	---	---	---	Eject

Programming the remote control to control your other devices

Your Toshiba TV remote control is preprogrammed to operate most Toshiba devices. To program your TV remote control to operate a non-Toshiba device (or a Toshiba device that it is not preprogrammed to operate), follow the steps below. For details on using the remote control to operate the device, see page 11.

1. In the remote control code table (☞ page 14), find the code for your device. If more than one code is listed, try each one separately until you find one that works.
2. Set the **MODE SELECT switch** to the type of device you are programming the remote control to operate — CABLE/SAT (for a cable converter box or satellite receiver), VCR (for a VCR or TV/VCR combo), or AUX (for a DVD player or HTIB [home theater in a box]).
3. While holding down RECALL, press the Channel Number buttons to enter the 3-digit code for your device.
4. To test the code, turn on the device, point the remote control at it, and press POWER. See notes below.
   - If the correct code was entered, the device will turn off.
   - If the device does not respond, repeat steps 1–4 using another code.
   - If the device does not respond to another code, you will need to use the remote control that came with the device.
5. Remember to set the **MODE SELECT switch** back to "TV" to control the TV.
6. For future reference, write down the code(s) you used:

DEVICE	CODE	DEVICE	CODE

Note:

- *In addition to POWER, confirm that all necessary keys on the TV remote control operate your device. If some keys are not operational, repeat the device code setup using another code (if other codes are listed for your device). If, after trying all listed codes, the necessary keys do not operate your device, use the device's original remote control.*
- *Every time you change the batteries, you will need to reprogram the remote control.*
- *Some newer VCRs respond to either of two codes. These VCRs have a switch labeled "VCR1/VCR2." If your VCR has this kind of switch and does not respond to the codes for your VCR brand, set the switch to the other position ("VCR1" or "VCR2") and reprogram the remote control.*

Remote control codes

In some cases you may not be able to operate your device with the TV remote control. Your other device may use a code that is not recognized by the TV remote control. If this happens, use the device's remote control.

Cable converter box

ABC	061, 062, 063, 082, 084, 087, 091, 092, 096, 098
Archer	065, 092, 097, 099
Cableview	064, 094
Century	092
Citizen	090, 092, 097
Contec	083, 085, 086, 088, 093, 098
Diamond	093
Eagle	091
GE	061, 062
Gemini	069, 070, 094
Hamlin	093
Hitachi	062, 095, 096
Jasco	097
Magnavox	072, 096
Memorex	091, 092, 104
Motorola/GI/Jerrold	062, 069, 071, 082, 086, 089, 091, 096
Multi Canal	090
Novavision	101
Panasonic	081, 083, 085
Philco	087
Philips	066, 067, 068, 070, 072, 073, 074, 075, 091, 092
Pioneer	076, 077
Proscan	061, 062
Radio Shack	092, 097, 099
RCA	064, 081
Realistic	065
Recoton	102
Samsung	077, 090
Scientific Atlanta	063, 078, 079, 080, 088, 098, 101, 105
Sears	095
Signature	062
Signature 2000	096
Sprucer	081, 085
Starcom	069, 082, 087, 096, 103, 104
Stargate	069, 090
Sylvania	095, 100
TeleView	090
Texscan	100
Tocom	071, 084, 085
U. S. Electronics	087, 096, 098
United Cable	082
Universal	065, 092, 097, 099, 102, 103
Wards	096

Satellite receiver

Alphastar	038, 059
Chaparral	034
DISH Network	057
Drake	020, 040, 044, 046, 050, 053
Echostar	018, 041, 051
Express Vu	057
Fujitsu	027
GE	008, 009, 013
General Instruments	010, 011, 012, 022, 023, 031, 049
Hitachi	033
Hughes	033
Hughes Network Systems	019
Intersat	048
Janeil	027
JVC	017, 057
Kenwood	029
Magnavox	060
Optimus	058
Pansat	036, 052
Primestar	015, 042
Proscan	008, 009, 013
Radio Shack	022, 023, 030
RCA	008, 009, 013, 016
Realistic	030
Samsung	059
Sony	014, 055
Star Choice	057
Star Trak	025, 026, 037, 054
STS	024
Toshiba	000, 001, 002, 003, 004, 005, 006, 007, 020, 031, 056
Uniden	021, 028, 030, 032, 035, 039, 043, 045, 047, 058
Zenith	027

TV/VCR Combo

Action	078
GE	059, 062
Goldstar	065
Panasonic	065
Precision	078
Quasar	065
Realistic	079
Sony	074
Toshiba	057
Totevision	009, 010, 065
Zenith	065

DVD/VCR Combo

Go Video	DVD=087, VCR=081
JVC	DVD=088, VCR=082
RCA	DVD=089, VCR=083
Samsung	DVD=090, VCR=084
Sanyo	DVD=091, VCR=085
Zenith	DVD=092, VCR=086

DVD player

Aiwa	006, 015
Apex	016, 017
BOSE	097
Broksonic	018
Clarion	019
Classic	020
Daewoo	021
Denon	022, 023, 024, 025
Emerson	026, 027
Fisher	028
Funai	027
GE	001, 029, 030
Go Video	087
GPX	031
Hitachi	005, 032, 033, 034, 035
JVC	003, 007, 036, 042, 088
Kenwood	037
Konka	008, 009
Magnavox	004, 038
Memorex	039
Mintek	040
NAD	026
Nakamichi	041
Norcent	043
Onkyo	044
Oritron	058
Panasonic	010, 045, 046, 047, 048, 049, 050
Philips	004, 051
Pioneer	052, 053, 054, 055
Proscan	001, 056
Qwestar	057, 058
RCA	001, 002, 059, 089
Sampo	060
Samsung	061, 062, 086, 090
Sansui	073
Sanyo	063, 091
Sharp	064, 067
Sherwood	074
Sony	011, 012, 065, 066, 068, 069, 070
Sylvania	027
Teac	071
Technics	072
Techwood	075
Toshiba	000, 013, 076, 077, 078
Yamaha	079, 080, 081
Zenith	014, 082, 092

Portable DVD player

Aiwa	093
Audiovox	094, 095
Panasonic	024, 096, 099
RCA	098

VCR

Admiral	049
Aiko	019
Aiwa	018
Akai	003, 004, 037, 038, 039, 058, 069
Audiovox	010
Bell & Howell	007, 068
Broksonic	008, 017
Calix	010
Carver	026
CCE	019
Citizen	009, 010, 011, 012, 013, 014, 015, 019, 057, 073
Colortyme	005

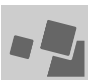
Craig	009, 010, 016, 061, 065, 079
Curtis Mathes	001, 005, 009, 012, 014, 040, 048, 053, 056, 057
Daewoo	011, 013, 015, 017, 018, 019, 057, 078
Daytron	078
Denon	063
Dimensia	001, 048
Electrohome	010, 020, 065
Emerson	003, 008, 010, 011, 017, 018, 020, 028, 039, 054, 057, 062, 065, 068, 072
Fisher	007, 016, 021, 022, 023, 057, 064, 068, 070, 071, 079
Fuji	004, 041
Funai	018, 073
Garrard	018
GE	001, 002, 009, 040, 042, 048, 056
Go Video	056, 059, 061, 081
Goldstar	005, 010, 014, 054, 056, 065, 067
Gradiente	018, 065
Harman Kardon	005
Hitachi	024, 025, 035, 037, 042, 063, 070, 080
JBL	076
JC Penney	005, 006, 007, 008, 009, 010, 023, 024, 025, 026, 035, 056, 061, 063, 065
Jensen	024, 025, 037
JVC	005, 006, 007, 014, 037, 043, 062, 063, 068, 082
Kenwood	005, 006, 007, 012, 014, 037, 043, 053, 068, 071
Kodak	010
LG	010
Lloyds	053, 073, 079
Logik	061
LXI	010
Magnasonic	061, 065, 078
Magnavox	026, 027, 034, 044, 057, 061, 072
Marantz	005, 006, 007, 012, 014, 026, 053, 067
Memorex	007, 009, 010, 016, 018, 034, 049, 063, 065, 066, 068, 075, 079
MGA	020, 028, 039
MGN	056
Minolta	024, 025, 035, 063
Mitsubishi	020, 024, 025, 028, 039, 043, 065
Montgomery Ward	049
Motorola	049
MTC	009, 046, 061
Multitech	009, 012, 018
NEC	005, 006, 007, 012, 014, 037, 043, 053, 054, 067, 070
Nikko	010
Noblex	009
Optimus	010, 049, 065
Optonica	031
Orion	054, 057, 062, 065, 068, 072
Panasonic	036, 045, 046, 057, 061, 072, 079
Pentax	012, 024, 025, 035, 042, 053, 063
Pentex Research	014
Philco	026, 027, 063
Philips	026, 031, 044, 057
Pioneer	006, 024, 043, 055
Portland	012, 013, 015
Proscan	001, 002, 048
Proton	061
Quasar	045
Radio Shack	010, 031, 065
Radio Shack/Realistic	007, 009, 010, 016, 018, 020, 021, 022, 031, 049
Radix	010
RCA	001, 002, 003, 009, 024, 025, 029, 035, 040, 042, 045, 048, 055, 056, 063, 071, 083
Realistic	007, 009, 010, 011, 016, 018, 020, 021, 022, 031, 049, 051, 056, 060, 065, 075, 079
Ricoh	047
Runco	034
Samsung	009, 011, 038, 056, 073, 084
Sansui	006, 037, 043, 061
Sanyo	007, 009, 016, 054, 064, 068, 071, 075, 079, 085
Scott	008, 011, 017, 028, 030, 057, 065, 072
Sears	007, 010, 016, 021, 022, 023, 024, 025, 035, 053, 057, 063, 064, 065, 068, 071, 075, 079
Sharp	013, 020, 031, 049, 051, 060, 066
Shintom	004, 025, 032, 061
Signature	049
Signature 2000	075
Singer	047, 061
Sony	004, 032, 033, 041, 052, 058, 070, 074, 076, 077, 080
STS	035
Sylvania	018, 026, 027, 028, 044, 072
Symphonic	018, 051, 053, 073, 079
Tandy	007
Tashiko	010
Tatung	037
Teac	018, 029, 037
Technics	036
Teknika	010, 018, 065
Toshiba	000, 011, 021, 023, 024, 028, 030, 039, 057, 074, 078, 079
Totevision	009, 010, 065
Unitec	073
Unitech	009
Vector Research	005, 006, 011, 012, 053
Video Concepts	005, 006, 011, 012, 039, 053
Wards	009, 010, 011, 016, 018, 020, 024, 025, 031, 035, 049, 051, 056, 057, 060, 065, 066, 079
White Westinghouse	073
XR-1000	018
Yamaha	005, 006, 007, 014, 037, 053
Zenith	004, 032, 034, 041, 047, 069, 086

HTIB

Lasonic	083
Panasonic	084
Venturer	085

Main menu layout

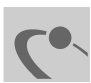
The tables below and on the next page provide a quick overview of your TV's menu system.
To open the main menus (illustrated below), press MENU on the remote control or TV control panel.

Icon	Item	Option
Applications 	Picture Viewer	→ [Launches the JPEG Picture Viewer]
	Audio Player	→ [Launches the MP3 Audio Player]
	Channel Browser	→ [Launches the Channel Browser™]
	Digital CC/Audio Selector	→ [Launches the ATSC Digital CC Selector] (This option is not available if you are not on a digital channel.)
Video 	Picture Settings	→ [Opens Picture Settings menu]
	Advanced Picture Settings	→ [Opens Advanced Picture Settings menu]
	Theater Settings	→ [Opens Theater Settings menu]
Audio 	Audio Settings	→ [Opens Audio Settings menu]
	Advanced Audio Settings	→ [Opens Advanced Audio Settings menu]
	Audio Setup	→ [Opens Audio Setup menu]
Preferences 	Favorite Channels	→ [Opens Favorite Channels menu]
	Closed Caption Mode	→ Off/CC1/CC2/CC3/CC4/T1/T2/T3/T4
	Closed Caption Advanced	→ [Opens Closed Caption Advanced menu]
	Input Labeling	→ [Opens Input Labeling menu]
	Menu Language	→ English / Français / Español
	Channel Browser Setup	→ [Opens Channel Browser Setup menu]
Locks 	Enable Rating Blocking	→ Off/On
	Edit Rating Limits	→ [Opens Edit Rating Limits menu]
	Channels Block	→ [Opens Channels Block menu]
	Input Lock	→ Off/Video/Video+
	Front Panel Lock	→ Off/On
	New PIN Code	→ [Opens New PIN Code entry screen]
Setup 	Installation	→ [Opens the Installation menu (☞ page 17)]
	Sleep Timer	→ [Opens Sleep Timer menu]
	PC Settings	→ [Opens PC Settings menu]
	PC Audio	→ No/Yes
	HDMI Audio	→ Auto/Digital/Analog
	Slide Show Interval	→ 2 Sec/5 Sec/10 Sec/15 Sec/20 Sec

Setup/Installation menu layout

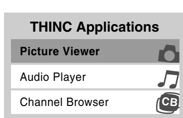
The Installation menu contains the Terrestrial, Network, and System Status menus.

To open the **Installation** menu (illustrated below), press MENU on the remote control or TV control panel, open the **Setup** menu, select **Installation**, and press ENTER.

	Icon	Item	Option
Press MENU, open the **Setup** menu, and then open the **Installation** sub-menu.	**Terrestrial** 	Input Configuration	→ [Opens Input Configuration menu]
		Channel Program	→ [Scans for new channels on ANT 1]
		Channel Add/Delete	→ [Opens Channel Add/Delete menu]
		Signal Meter	→ [Opens Signal Meter menu]
	Network 	Basic Network Setup	→ [Opens Basic Network Setup menu]
		Home File Server Setup	→ [Opens Home File Server Setup menu]
		Software Upgrade	
	System Status 	System Information	→ [Opens the System Information window]

THINC menu layout

The **THINC** menu will not be part of the main menu, but will be viewable by pressing THINC on the remote control. It will contain a list of special features offered by the TV; **Picture Viewer**, **Audio Player**, and **Channel Browser**.

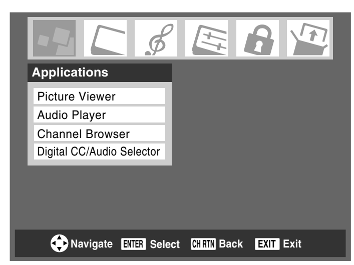


Navigating the menu system

You can use the buttons on the remote control or TV control panel to access and navigate your TV's on-screen menu system.

- Press MENU to open the menu system.
- When a menu is open, use the up/down/left/right arrow buttons (▲▼◀▶) on the remote control or TV control panel to move in the corresponding direction in the menu.
- Press ENTER to save your menu settings or select a highlighted item. (A highlighted menu item appears in a different color in the menu.)
- All menus close automatically if you do not make a selection within 60 seconds, except the signal meter menu, which closes automatically after about 5 minutes.
- To close a menu instantly, press EXIT.

Note: *The menu background may sometimes appear black, depending on the signal the TV is receiving. This is not a sign of malfunction.*

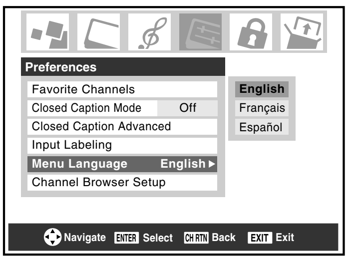


Selecting the menu language

You can choose from three different languages (English, French and Spanish) for the on-screen display of menus and messages.

To select the menu language:

1. Press MENU and open the **Preferences** menu.
2. Highlight **Menu Language** and press ▶.
3. Press ▲ or ▼ to select your preferred menu language and press ENTER.

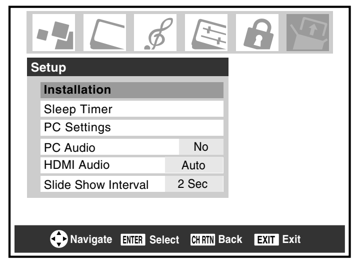


4. Press EXIT to close the **Preferences** menu.

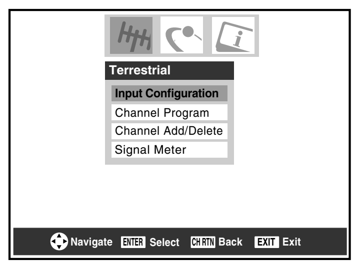
Configuring the antenna input source for the ANT terminal

To configure the ANT input source:

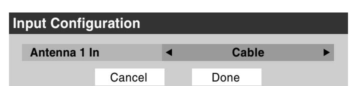
1. Press MENU and open the **Setup** menu.
2. Highlight **Installation** and press ENTER.



3. (A new set of **Installation** menu icons will appear on-screen, as shown below.) Open the **Terrestrial** menu, highlight **Input Configuration**, and press ENTER.



4. Press ◀ or ▶ to select the input source (**Cable** or **Antenna**) for the **ANT** input on the TV.



5. To save your new settings, highlight **Done** and press ENTER. To revert to your original settings, highlight **Cancel** and press ENTER.

Programming channels into the TV's channel memory

When you press CH up or CH down on the remote control or TV control panel, your TV will stop only on the channels you programmed into the TV's channel memory.

Follow the steps below to program channels into the TV's channel memory.

Programming channels automatically

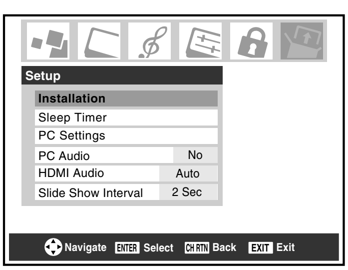
Your TV can automatically detect all active channels in your area and store them in its memory. After the channels are programmed automatically, you can manually add or erase individual channels in the channel memory.

Note:

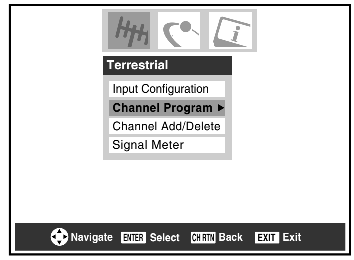
- *You must configure the antenna input source before programming channels (☞ page 18).*
- *If the Antenna 1 input signal type is set to **Cable**, the automatic channel programming process erases channels that were previously programmed into the TV's memory.*
- *If the Antenna 1 input signal type is set to **Antenna**, the automatic channel programming process adds newly found channels to the existing set of programmed channels (and does NOT erase channels that were previously programmed into the TV's memory.) To remove an Antenna source channel from the memory, you must manually delete it.*
- *To tune the TV to a channel not programmed in the channel memory, you must use the Channel Number buttons on the remote control.*
- *Programming channels when the antenna input is configured for **Cable** will take substantially longer than when the antenna input is configured for **Antenna**. This is normal; however, once channel programming is finished, you should not have to repeat the programming process again unless your Cable TV service lineup changes significantly.*

To program channels automatically:

1. Make sure you have configured the antenna input source (☞ page 18).
2. Press MENU and open the **Setup** menu.
3. Highlight **Installation** and press ENTER.



4. (A new set of **Installation** menu icons will appear on-screen, as shown below.) Open the **Terrestrial** menu, highlight **Channel Program**, and press ENTER.



5. Highlight **ANT 1** and then press ENTER to start automatic channel programming.



The TV will automatically cycle through all the antenna channels, and store all active channels in the channel memory. While the TV is cycling through the channels, the message "Scanning channels, please wait" appears (as shown above).

6. To cancel channel programming, either press EXIT or highlight **Abort** in the on-screen display and press ENTER.

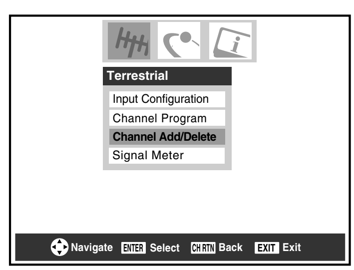
When channel programming is finished, press CH up or CH down to view the programmed channels.

Manually adding and deleting channels in the channel memory

After automatically programming channels into the channel memory, you can manually add or delete individual channels.

To add or delete channels in the channel memory:

1. Press MENU and open the **Setup** menu.
2. Highlight **Installation** and press ENTER.
3. (A new set of **Installation** menu icons will appear on-screen, as shown below) Open the **Terrestrial** menu, highlight **Channel Add/Delete**, and then press ENTER.



To add a channel to the channel memory:

Highlight the unchecked box next to the channel number you want to add, and then press ENTER to check the box.

To manually add digital subchannels on a physical channel:

Use the Channel Numbers and the Dash (100) on the remote control to enter the channel number (for example, 56–1).

If the channel is found, the number will be added to the list and the box will be checked.

If the channel is not found, a message will appear.

To remove a channel from the channel memory:

Highlight the checked box next to the channel number you want to remove, and then press ENTER to uncheck the box.

To save your new settings:

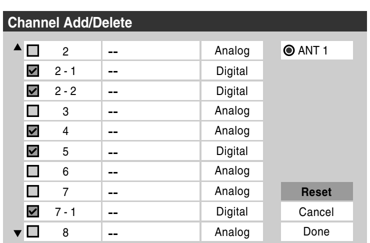
Highlight **Done** and press ENTER.

To revert to your original settings:

Highlight **Cancel** and press ENTER before saving.

To remove all channels from the channel memory:

Highlight **Reset** and press ENTER, and then highlight **Done** and press ENTER.

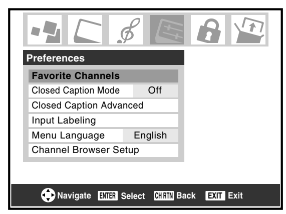


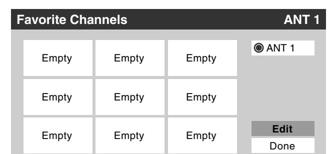
Programming your favorite channels

You can program up to nine antenna channels as favorite channels. You can then scan through your favorite channels only, skipping other channels you do not normally watch.

To add and delete channels in the Favorite Channels list:

1. Press MENU and open the **Preferences** menu.
2. Highlight **Favorite Channels** and press ENTER (see illustration, below left).
3. Use ▲▼ to select **ANT 1** and press ENTER (see illustration, below right).
4. Highlight **Edit** and press ENTER.





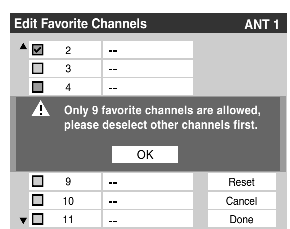
5a To add a channel:

Use ▲▼ to highlight an unchecked box next to a channel you want to set as a favorite, and then press ENTER to check the box.

Note: *You must first use Channel Program or Channel Add/Delete to add channels to the channel memory before setting up favorite channels.*

5b To delete a channel:

Highlight a checked box and press ENTER to uncheck it.

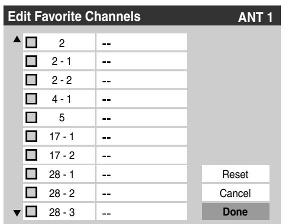


Note: *If you try to add more than nine favorite channels per input, an error message will appear. You will need to delete (uncheck) a channel before you can add another.*

6. When you are finished adding or deleting channels, highlight **Done** and press ENTER.

To clear your Favorite Channels list:

1. Press MENU and open the **Preferences** menu.
2. Highlight **Favorite Channels** and press ENTER.
3. Highlight **Edit** and press ENTER.
4. Highlight **Reset** and press ENTER. All channels in the Favorite Channels list will be deleted (unchecked).
5. Highlight **Done** and press ENTER.

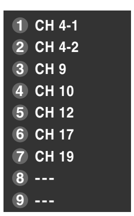


To tune your favorite channels (antenna channels only):

Press **FAV▲ / FAV▼**.

To tune your favorite antenna channels using the favorite channel list:

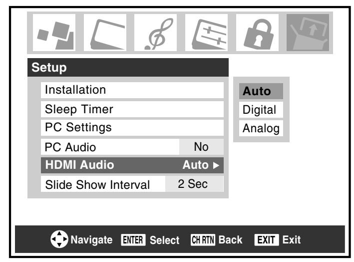
1. Press 100 to display the favorite channel list.
2. Press the corresponding number button (1-9) to select your desired channel.



Setting the HDMI™ audio mode

To set the HDMI audio mode:

1. Press MENU and open the **Setup** menu.
2. Highlight **HDMI Audio** and press ▶.
3. Press ▼ or ▲ to select the HDMI audio mode (**Auto**, **Digital**, or **Analog**) and press ENTER. (**Auto** is the recommended mode.) See "Connecting an HDMI or DVI device to the HDMI input" in the *Installation Guide*.



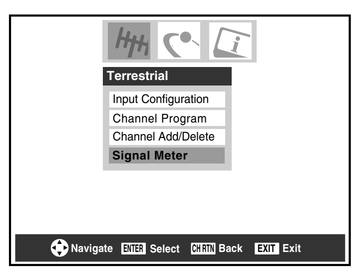
Note: *The* ***PC Audio*** *switch setting influences the* ***HDMI Audio*** *setting. If* ***PC Audio*** *is set to* ***No****, the* ***HDMI Audio*** *setting changes to* ***Auto****. If* ***PC Audio*** *is set to* ***Yes****, the* ***HDMI Audio*** *setting changes to* ***Digital*** *and will be grayed out.*

Viewing the digital signal meter

You can view the digital signal meter in the ANT 1 digital TV input source only.

To view the digital signal meter:

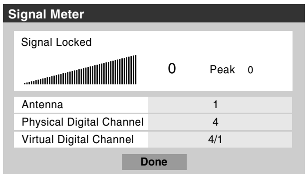
1. Press MENU and open the **Setup** menu.
2. Highlight **Installation** and press ENTER.
   A new set of Installation menu icons will appear on-screen, as shown in step 3 below.
3. Open the **Terrestrial** menu, highlight **Signal Meter**, and press ENTER.



(continued)

4 Press ▲▼◀▶ to select the antenna input and digital channel whose signal you want to check.

Note: *The physical digital channel number listed in the Signal Meter screen may not correspond to a virtual TV channel number. Contact your local broadcasters to obtain the RF channel numbers for your local digital stations.*



To close the screen and return to the Terrestrial menu:

Highlight **Done** and press ENTER.

To return to normal viewing:

Press EXIT.

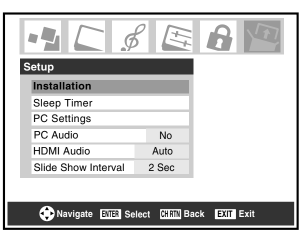
Viewing the system status

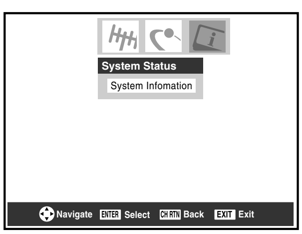
To view the system status:

1 Press MENU and open the **Setup** menu.

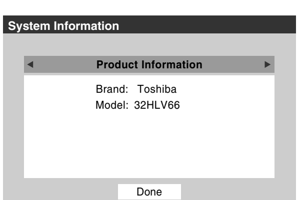
2 Highlight **Installation** and press ENTER. A new set of Installation menu icons will appear on-screen, as shown below right.

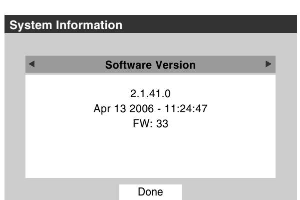
3 Open the **System Status** menu, highlight **System Information**, and press ENTER.





4 Press ◀▶ to scroll through the menu bar to select either the **Product Information** or **Software Version** and view the related information.





To close the screen and return to the Installation menu:

Highlight **Done** and press ENTER.

To return to normal viewing:

Press EXIT.

Reset Factory Defaults

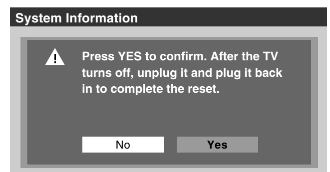
To reset all settings and channels to their factory default values:

1 Follow steps 1–3 under “Viewing the system status.”

2 Press ◀▶ to scroll through the menu bar to select **Factory Defaults**.

3 Enter your PIN code (or 0000 if no PIN code has been set).

4 Highlight **Yes** and press ENTER. The TV will turn off automatically after a few seconds. After the TV turns off, unplug the TV power cord and then plug it in again to complete the reset process.



To cancel the reset:

Highlight **No** and press ENTER.

Selecting the video input source to view

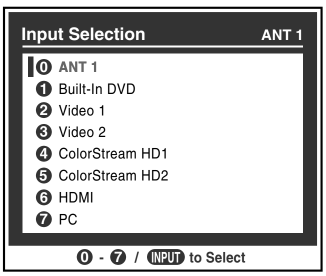
To select the video input source to view:

1 Press INPUT on the remote control or **INPUT** on the TV control panel.

2 To select the input: Press 0–7 to select the input source you want to view:

a) You can select the video input which will depend on the input terminals you used to connect your devices (☞ *Installation Guide*).

The current signal source displays in the top right corner of the **Input Selection** screen.



b) Repeatedly press ▲▼ on the remote control (or **CHANNEL ▲▼** on the control panel) to change the input; or

c) Repeatedly press INPUT on the remote control or **INPUT** on the TV control panel to change the input.

Note:

- *You can label the video input sources according to the specific devices you have connected to the TV (☞ “Labeling the video input sources” at right).*
- *The source can be “hidden” (☞ “Labeling the video input sources” at right).*

Labeling the video input sources

You can label each video input source according to the type of device you connected to each source, from the following preset list of labels:

- – – (*default label*)
- Cable
- DTV
- Satellite/DSS
- VCR
- Laser Disk
- DVD
- HD DVD
- Audio Receiver
- Compact Disc
- Video Recorder
- Game Console
- Hide (to hide an unused input in the **Input Selection** screen)

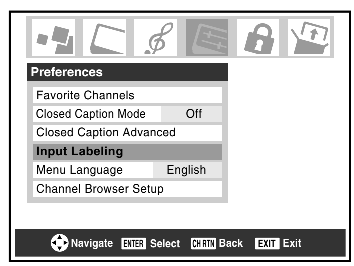
Note: *If you select PC in the Input Selection screen, you can choose only “– –,” “Hide,” or “Game Console” as the label.*

To label the video input sources:

1 Press MENU and open the **Preferences** menu.

2 Highlight **Input Labeling** and press ENTER.

3 Press ▲ or ▼ to highlight the video source you want to label.





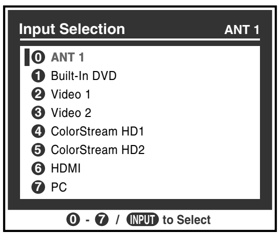
4 Press ◀ or ▶ to select the desired label for that input source. If a particular input is not used, you can select **Hide** as the label, which will cause that input to be “grayed out” in the Input Selection screen and skipped over when you press INPUT on the remote control.

5 To save the new input labels, highlight **Done** and press ENTER.

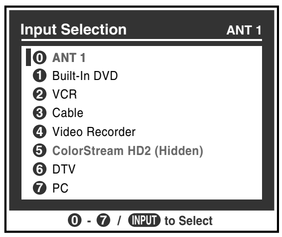
To revert to the factory default labels, highlight **Reset** and press ENTER.

Input labeling example:

The screen below left shows the default **Input Selection** screen (with none of the inputs labeled as a specific device). The screen below right is an example of how you could label the inputs if you connected a VCR to VIDEO 1, Cable TV to VIDEO 2, a video recorder to ColorStream HD1, and a DTV set-top box to HDMI. Also note that the ColorStream HD2 input is labeled "Hidden," which means that input will be skipped over when INPUT is pressed.



Input Selection screen with no inputs labeled.



Input Selection screen with all inputs labeled except input 5, which has been hidden.

To clear the input labels:

1. Press MENU and open the **Preferences** menu.
2. Highlight **Input Labeling** and press ENTER.
3. Highlight **Reset** and press ENTER.

Tuning channels

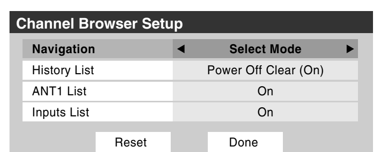
Tuning channels using the Channel Browser™

The Channel Browser™ stores the most recently viewed channels or inputs in a history list. In addition, it provides a list of all the available channels on the ANT1 input (up to 2000), plus a list of all the inputs on the TV. This feature allows you to:

- Keep a history of the last 32 channels or inputs viewed.
- Quickly surf and tune your recently viewed channels/inputs from the Channel Browser™ banner (illustrated on the next page).
- Surf via Browse mode (to immediately tune channels as you highlight them in the Channel Browser™ banner) or Select mode (to surf over channels in the Browser banner before you select one to tune).
- Quickly change inputs from the Inputs List.
- Set a "HOME" source for an **ANT1** channel or TV input.

To set up the Channel Browser™:

1. Press MENU and open the **Preferences** menu.
2. Highlight **Channel Browser Setup** and press ENTER.
3. Press ▲ to highlight **Navigation**, and then press ◀ or ▶ to select either **Browse Mode** or **Select Mode**.



4. Press ▼ to highlight **History List**, and then press ◀ or ▶ to select the setting you prefer: either **Power Off Clear (On)**, **On**, or **Off**.

   Note: *When **History List** is set to **On**, the channels and inputs stored in the list will be saved every power on/off cycle. When **History List** is set to **Power Off Clear (On)**, the channels and inputs stored in the list will be cleared with every power on/off cycle of the TV.*

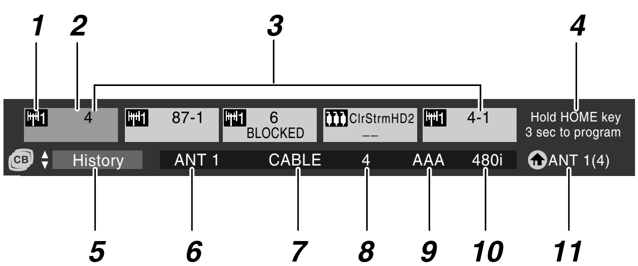
5. Press ▼ to highlight **ANT1 List**, and then press ◀ or ▶ to select **On** or **Off**.
6. Press ▼ to highlight **Inputs List**, and then press ◀ or ▶ to select **On** or **Off**.
7. To save your entries, highlight **Done** and press ENTER.

   To return to factory defaults, highlight **Reset** and press ENTER.

To open the Channel Browser™ banner:

- Either… press BACK ◄, NEXT ►, or HOME on the remote control. Or… press THINC to open the **THINC** menu, highlight **Channel Browser** and press ENTER.
- Press BACK ◄ to surf backward through the previously tuned 32 channels or inputs in the History list, the channels in the ANT 1 channel list, or the inputs in the Inputs list.
- Press NEXT ► to surf forward through the channel/input History, the ANT 1 channel list, or the Inputs list.

Elements of the Channel Browser™ banner



1 Input type

2 Highlighted item (channel or input)

3 Channels stored in the channel history

4 Instructions for programming the HOME key (this will be replaced by the 6th item in the History list, ANT 1 list, or Inputs list).

5 Current list (**History**, **ANT 1** or **Inputs**)

6 Current input

7 Current antenna type (cable or TV)

8 Active channel number

9 Channel call letters (if available)

10 Resolution

11 Home source

To toggle among the History, ANT 1, and Inputs lists:

After opening the Channel Browser™ banner, press ▲ or ▼ to toggle between **History**, **ANT 1** and **Inputs**.

Note: *The Channel Browser™ banner opens in **History** list by default. Once another list has been selected, the Channel Browser™ will open in the last selected list.*

To tune to a channel or input in Browse mode:

1 While watching TV, press BACK ◄ or NEXT ► to open the Channel Browser™ banner and surf back to a previous item or surf forward to the next item in the list.

In **Browse** mode, when you stop on an item in the Browser banner, it will be highlighted and the TV will automatically tune to the channel or input.

2 Press EXIT to close the Channel Browser™ banner.

Note: *The Channel Browser™ banner will close automatically if you do not make a selection within 30 seconds.*

To tune to a channel or input in Select mode:

1 While watching TV, press BACK ◄ or NEXT ► to open the Channel Browser™ banner and surf back to a previous item or surf forward to the next item in the list.

In **Select** mode, when you stop on an item in the browser banner, it will be highlighted but the TV will not automatically tune to the channel or input.

2 Press ENTER to tune the TV to the highlighted item.

3 Press EXIT to close the Channel Browser™ banner.

Adding and clearing channels and inputs in the channel history

Adding channels and inputs to the channel history:

As a channel or input is tuned, the Channel Browser™ adds it to the History and displays it on the "right side" of the Browser banner. Previously tuned channels/inputs are "shifted" to the left, eventually moving off the left side of the Browser banner. Press BACK ◄ to surf backward through the previously tuned channels/inputs. Any channel or input that is tuned repeatedly will not be repeated in the History, but instead is moved to the top of the list on the right side of the Browser banner.

The Channel Browser™ will store the following channels:

- All channels that are tuned using the numeric buttons on the remote control.
- All channels that are tuned using CH ▲ or CH ▼, **FAV▲** or **FAV▼** on the remote control.
- All inputs that are tuned to for at least 5 seconds.

Note: *Whenever an item is selected that cannot be tuned (for various reasons), the TV will automatically tune to the previously viewed channel or input.*

Clearing channels from the channel history:

- Reconfiguring the **ANT 1** input will clear the channel history.

  Note: *See page18 for details on configuring the antenna input.*

- Once 32 channels or inputs are stored in the history list, the oldest item will be removed from the list when a new channel or input is tuned.
- Turning off the TV will clear the channel history only if **History List** in the **Channel Browser Setup** is set to "**Power Off Clear (On)**."

Using the Home feature

When you press HOME on the remote control, the TV will be tuned to the channel or input you set as "Home."

To set a channel or input as Home:

1 Tune the TV to the channel or input you would like to set as the Home source.

2 Press and hold HOME on the remote control for 3 seconds.

When HOME is saved, the Channel Browser™ banner will appear at the bottom of the screen and the HOME icon will flash green.

To tune to HOME:

Press the HOME button on the remote to tune to your HOME channel or input. The Channel Browser™ banner will display when HOME is tuned unless all lists have been set to "**Off**" in the **Channel Browser Setup**.

If all lists are set to OFF:

a) you will not be able to set the Home channel/input, if it is not already set; or

b) if the Home channel/input is already set, pressing HOME on the remote control will tune to the Home source but will not display the Channel Browser™.

Tuning your favorite channels

To tune to the channels you programmed as Favorite Channels, press **FAV▲/FAV▼** or 100 (☞ page 21).

Tuning to the next programmed channel

To tune to the next programmed channel:

Press CH▲ or CH▼ on the remote control or TV control panel.

Note: *This feature will not work unless you program channels into the TV's channel memory (☞ page 19).*

Tuning to a specific channel (programmed or unprogrammed)

Tuning analog channels:

Press the Channel Number buttons (0–9) on the remote control. For example, to select channel 125, press 1, 2, 5.

Tuning digital channels:

Press the Channel Number buttons (0–9) on the remote control, followed by the dash (100) button and then the sub-channel number. For example, to select digital channel 125-1, press 1, 2, 5, –, 1.

Note: *If a digital channel is not programmed—either through the automatic channel scan (☞ page 19) or the channel add/delete function (☞ page 19)—you will have to tune the RF channel using the Channel Number and dash (100) buttons on the remote control.*

Switching between two channels using Channel Return

The Channel Return feature allows you to switch between two channels without entering an actual channel number each time.

1 Select the first channel you want to view.

2 Select a second channel using the Channel Number buttons (and the dash (100) button if selecting a digital channel).

3 Press CH RTN on the remote control. The previous channel will display. Each time you press CH RTN, the TV will switch back and forth between the last two channels that were tuned.

Note: *If you press CH RTN from a non-antenna input, the TV will return to the last-viewed ANT input and channel.*

Switching between two channels using SurfLock™

The SurfLock™ feature temporarily "memorizes" one channel in the CH RTN button, so you can return to that channel quickly from any other channel by pressing CH RTN. To memorize a channel in the CH RTN button:

1 Tune the TV to the channel you want to program into the CH RTN button.

2 Press and hold CH RTN for about 2 seconds until the message "Channel Memorized" appears on screen. The channel has been programmed into the CH RTN button.

3 You can then change channels repeatedly, and when you press CH RTN, the memorized channel will be tuned.

The TV will return to the memorized channel one time only. Once you press CH RTN and then change channels again, the CH RTN memory will be cleared and the button will function as Channel Return, by switching back and forth between the last two channels that are tuned.

Selecting the picture size

You can view many program formats in a variety of picture sizes—**Natural**, **TheaterWide 1**, **TheaterWide 2**, **TheaterWide 3**, and **Full**.

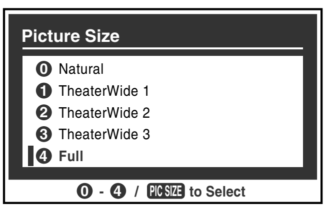
The way the image displays in any of the picture sizes will vary depending on the format of the program you are viewing. Select the picture size that displays the current program the way that looks best to you.

Your picture size preferences can be saved for each input on your TV.

To select the picture size:

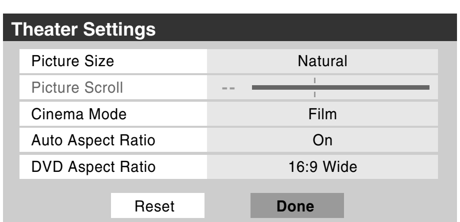
1 Press PIC SIZE on the remote control.

2 While the **Picture Size** screen is open, press the corresponding number button (0–4) to select the desired picture size.



Note:

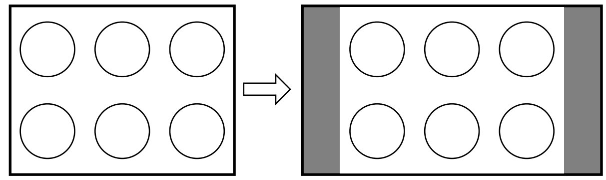
- *You also can repeatedly press PIC SIZE to select the desired picture size (or press ▲▼ on the remote control while the **Picture Size** screen is open).*
- ***Full** may not be available for some program formats (it will be "grayed out" in the **Picture Size** screen).*
- *You also can select the picture size using the menu system. Select **Picture Size** in the **Theater Settings** menu. Select the input for which you want to save your picture settings. To save your settings, highlight **Done** and press ENTER.*



Using these functions to change the picture size (i.e., changing the height/ width ratio) for any purpose other than your private viewing may be prohibited under the Copyright Laws of the United States and other countries, and may subject you to civil and criminal liability.

Natural picture size

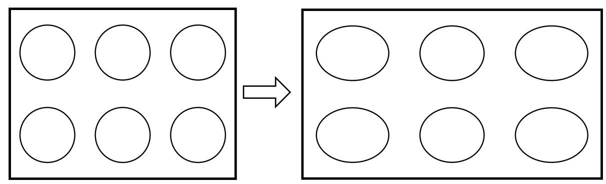
- The image is displayed close to its originally formatted proportion. Some program formats will display with sidebars and/or bars at the top and bottom.



Natural picture size example

TheaterWide 1 picture size (for 4:3 format programs)

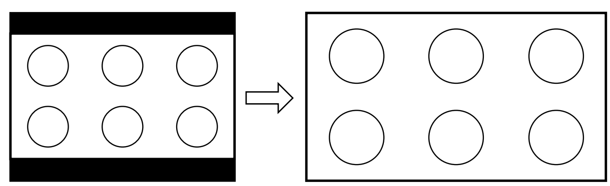
- The center of the picture remains close to its original proportion, but the left and right edges are stretched wider to fill the screen.



TheaterWide 1 picture size example

TheaterWide 2 picture size (for letter box programs)

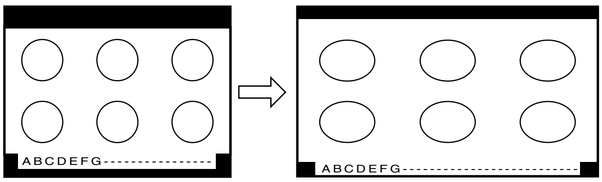
- The picture is stretched wider to fill the width of the screen, but only slightly stretched taller.
- The top and bottom edges of the picture are hidden. To view the hidden areas, see "Scrolling the TheaterWide® picture" (☞ page 28).



TheaterWide 2 picture size example

TheaterWide 3 picture size (for letter box programs with subtitles)

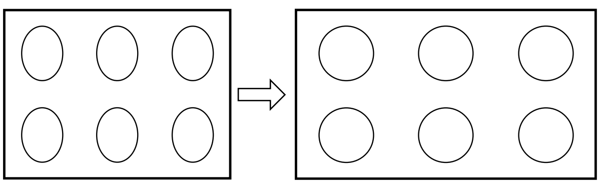
- The picture is stretched wider to fill the width of the screen, but only slightly stretched taller.
- The top and bottom edges are hidden. To view the hidden areas (such as subtitles or captions), see “Scrolling the TheaterWide® picture.”



TheaterWide 3 picture size example

Full picture size (for 16:9 [480i, 480p] source programs only)

- If receiving a squeezed 4:3 format program, the picture is stretched wider to fill the width of the screen, but not stretched taller.
- None of the picture is hidden.


Full picture size example

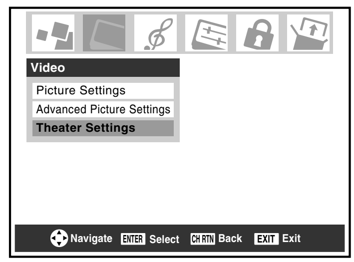
Note:
- *If you select one of the TheaterWide® picture sizes, the top and bottom edges of the picture (including subtitles or captions) may be hidden. To view the hidden edges, either scroll the picture (**TheaterWide 2** and **3** only) or try viewing the program in **Full** or **Natural** picture size.*
- *The “picture size” illustrations are examples only. The format of the image (in any of the pictures sizes) will vary depending on the format of the signal you are currently watching.*

Scrolling the TheaterWide® picture (TheaterWide 2 and 3 only)

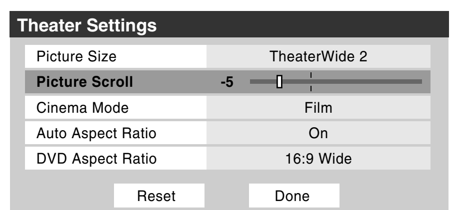
You can set separate scroll settings for the TheaterWide 2 and TheaterWide 3 modes for each input.

To set the scroll settings:

1. Press MENU and open the **Video** menu.
2. Highlight **Theater Settings** and press ENTER.



3. In the **Picture Size** field, select either **TheaterWide 2** or **TheaterWide 3** (you cannot scroll in any other mode).
4. Press ▼ to highlight the **Picture Scroll** field.
5. Press ◀ or ▶ to scroll the picture up and down as needed, from –10 to +20.



6. To save the new settings, highlight **Done** and press ENTER. To revert to the factory defaults, highlight **Reset** and press ENTER.

Using the auto aspect ratio feature

When the auto aspect ratio feature is set to **On**, the TV will automatically select the picture size when one of the following input sources is received:

- A 480i signal from the **VIDEO 1**, **VIDEO 2**, **ColorStream HD-1**, or **ColorStream HD-2** input.
- A 1080i, 480i, 480p, or 720p signal from the **HDMI** input.

Aspect ratio of signal source	Automatic aspect size (automatically selected when Auto Aspect is On)
4:3 normal	Natural (with sidebars)
4:3 letter box	TheaterWide 2
16:9 full	Full
Not defined (no ID-1 data or HDMI aspect data)	The current picture size you set under "Selecting the picture size" on page 27.

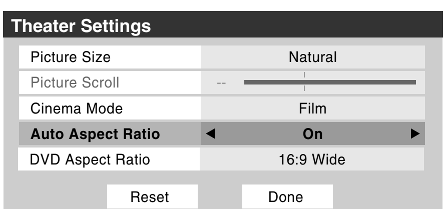
Note: *The auto aspect ratio feature is not applicable to antenna or cable input sources.*

To turn on the auto aspect ratio feature:

1 Press MENU and open the **Video** menu.

2 Highlight **Theater Settings** and press ENTER.

3 In the **Auto Aspect Ratio** field, select **On**.



4 To save the new settings, highlight **Done** and press ENTER. To revert to the factory defaults, highlight **Reset** and press ENTER.

To turn off the auto aspect ratio feature:

Select **Off** in step 3 above.

Selecting the cinema mode (480i signals only)

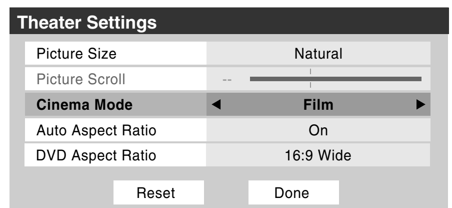
When you view a DVD (480i signal; 3:2 pulldown processed) from a DVD player connected to the **VIDEO 1**, **VIDEO 2**, **ColorStream HD-1/ColorStream HD-2** (component video), or **HDMI** inputs on the TV, smoother motion can be obtained by setting the **Cinema Mode** to **Film**.

To set the Cinema Mode to Film:

1 Press MENU and open the **Video** menu.

2 Highlight **Theater Settings** and press ENTER.

3 In the **Cinema Mode** field, select **Film**.



4 To save the new settings, highlight **Done** and press ENTER. To revert to the factory defaults, highlight **Reset** and press ENTER.

To set the Cinema Mode to Video:

Select **Video** in step 3 above.

Adjusting the picture

Selecting the picture mode

You can select your desired picture settings from four different modes, as described below.

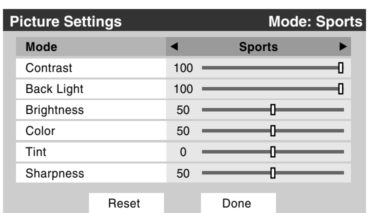
Mode	Picture Quality
Sports	Bright and dynamic picture (factory setting)
Standard	Standard picture settings (factory setting)
Movie	Lower contrast for darkened room (factory setting)
Preference	Your personal preferences

To select the picture mode:

1 Press MENU and open the **Video** menu.

2 Highlight **Picture Settings** and press ENTER.

3 In the **Mode** field, select the picture mode you prefer.





4 To save the new settings, highlight **Done** and press ENTER. To revert to the factory defaults, highlight **Reset** and press ENTER.

Note:

- *The picture mode you select affects the current input only. You can select a different picture mode for each input.*
- *If you select one of the factory-set picture modes (**Sports**, **Standard**, or **Movie**) and then change a picture quality setting (for example, increase the contrast or change the color temperature), the picture mode automatically changes to **Preference** in the **Picture Settings** menu.*

Adjusting the picture quality

You can adjust the picture quality (contrast, back light, brightness, color, tint, and sharpness) to your personal preferences.

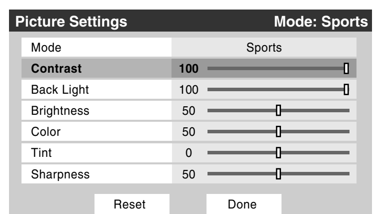
Selection	Pressing ◀	Pressing ▶
Contrast	lower	higher
Back Light	darker	lighter
Brightness	darker	lighter
Color	paler	deeper
Tint	reddish	greenish
Sharpness	softer	sharper

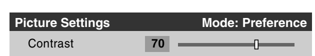
To adjust the picture quality:

1 Press MENU and open the **Video** menu.

2 Highlight **Picture Settings** and press ENTER.

3 Press ▲ or ▼ to select the picture quality you want to adjust (**Contrast**, **Back Light**, **Brightness**, **Color**, **Tint**, or **Sharpness**), and then press ◀ or ▶ to adjust the setting, as described in the table above.





4 To save the new settings, highlight **Done** and press ENTER. To revert to the factory defaults, highlight **Reset** and press ENTER.

The picture qualities you adjusted are automatically saved in the **Preference** mode (☞ "Selecting the picture mode," above left).

Using the closed caption mode

The closed caption mode has two options:

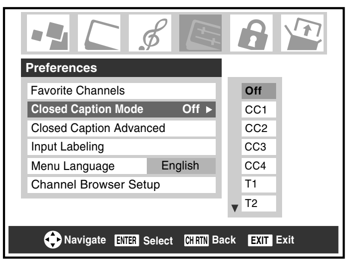
- Captions—An on-screen display of the dialogue, narration, and sound effects of TV programs and videos that are closed captioned (usually marked "CC" in program guides).
- Text—An on-screen display of information not related to the current program, such as weather or stock data (when provided by individual stations).

To view captions or text:

1 Press MENU and open the **Preferences** menu.

2 Highlight **Closed Caption Mode** and press ▶.

3 Press ▲ or ▼ to select the desired closed caption mode and press ENTER.

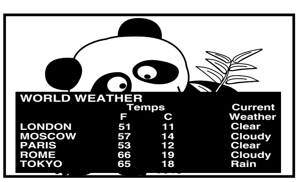


- **To view captions:**
  Highlight **CC1**, **CC2**, **CC3**, or **CC4**. (**CC1** displays translation of the primary language in your area.)



Note: If the program or video you selected is not closed captioned, no captions will display on-screen.

- **To view text:**
  Highlight **T1**, **T2**, **T3**, or **T4**.



*Note: If text is not available in your area, a black rectangle may appear on screen. If this happens, set the Closed Caption Mode to **Off**.*

- **To turn off the Closed Caption mode:**
  Select **Off** in step 3 above.

***Note:** A closed caption signal may not display in the following situations:*

- *When a videotape has been dubbed*
- *When the signal reception is weak*
- *When the signal reception is non-standard*

Closed Caption Advanced

You can customize the closed caption display characteristics by changing the background color, text size, type, edge, and color.

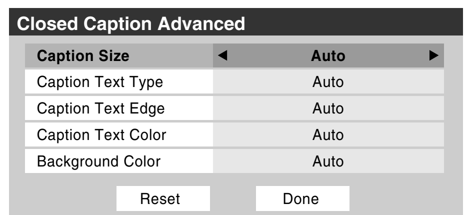
Note:
- *This feature is available for digital channels only.*
- *You cannot set the Caption Text and Background as the same color.*

To customize the closed captions:

1 Press MENU and open the **Preferences** menu.

2 Highlight **Closed Caption Advanced** and press ENTER.

3 Press ▲ or ▼ to highlight the characteristic you want to change, and then press ◀ or ▶ to select the format for that characteristic (see table below).



4 To save the new settings, highlight **Done** and press ENTER. To revert to the factory defaults, highlight **Reset** and press ENTER.

Caption Size	Auto, Small, Standard, Large
Caption Text Type	Auto, Default, Mono w. Serif, Prop. w. Serif, Mono w/o Serif, Prop. w/o Serif, Casual, Cursive, Small Capitals
Caption Text Edge	Auto, None, Raised, Depressed, Uniform, Left Drop Shadow, Right Drop shadow
Caption Text Color	Auto, Black, White, Red, Green, Blue, Yellow, Magenta, Cyan
Background Color	Auto, Black, White, Red, Green, Blue, Yellow, Magenta, Cyan

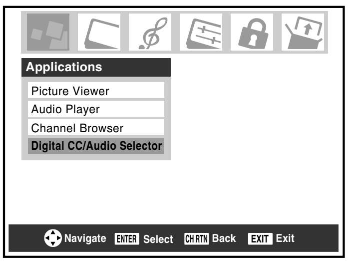
Digital closed captions

You can use the **Digital CC/Audio Selector** to select digital closed caption services (if available), which will temporarily override closed captions for digital channels only.

When such services are not available, the **Digital CC/Audio Selector** presents a default list of services. If the selected service is not available, the next best service will be used instead.

To select digital closed captions:

1. Press MENU and open the **Applications** menu.
2. Highlight **Digital CC/Audio Selector** and press ENTER.



3. Press ▲ or ▼ to select **Closed Caption**, and then press ◀ or ▶ to select the desired service.



4. Press EXIT.

Adjusting the audio

Muting the sound

Press MUTE to partially reduce (1/2 MUTE) or turn off (MUTE) the sound. Each time you press MUTE, the mute mode will change in the following order:

→ 1/2 Mute → Mute → Volume →

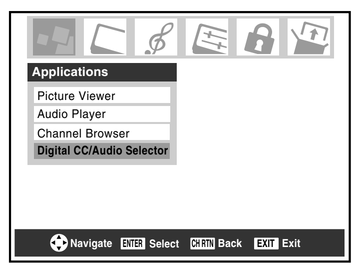
If the closed caption mode is set to **Off** when you select "MUTE" mode, the closed caption feature is automatically activated. To mute the audio without automatically activating the closed caption feature, use VOL to set the volume to 0. See "Using the closed caption mode" (☞ page 31) for more information on closed caption modes.

Using the digital audio selector

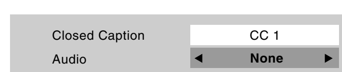
You can use the **Digital Audio Selector** to conveniently switch between audio tracks on a digital channel (for those channels that have multiple audio tracks). This temporarily overrides the audio track chosen by the language option under **Audio Setup** (☞ "Selecting stereo/SAP broadcasts" on page 33).

To use the digital audio selector:

1. Press MENU and open the **Applications** menu.
2. Highlight **Digital CC/Audio Selector** and press ENTER.



3. Press ▲ or ▼ to select **Audio**, and then press ◀ or ▶ to select the desired service.



4. Press EXIT.

Selecting stereo/SAP broadcasts

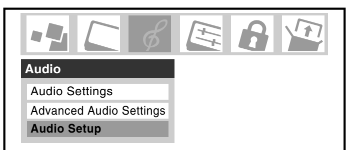
The multi-channel TV sound (MTS) feature allows you to output high-fidelity stereo sound. MTS also can transmit a second audio program (SAP) containing a second language, music, or other audio information (when provided by individual stations).

When the TV receives a stereo or SAP broadcast, the word "STEREO" or "SAP" appears on-screen when RECALL is pressed. The MTS feature is not available when the TV is in VIDEO mode.

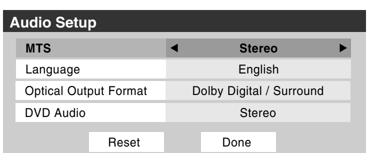
To listen to stereo sound:

1 Press MENU and open the **Audio** menu.

2 Highlight **Audio Setup** and press ENTER.



3 In the **MTS** field, select **Stereo**.



4 To save the new settings, highlight **Done** and press ENTER. To reset the settings to the factory defaults, highlight **Reset** and press ENTER.

Note:
- *You can typically leave the TV in **Stereo** mode because it will automatically output the type of sound being broadcast (stereo or monaural).*
- *If the stereo sound is noisy, select **Mono** to reduce the noise.*

To listen to an alternate language on an ATSC digital station (if available):

Highlight the **Language** field in step 3 above, and then press ◀ or ▶ to select the language you prefer.

To listen to a second audio program on an analog station (if available):

Select **SAP** in step 3 above.

Note:
- *A second audio program (SAP) can be heard only on those TV stations that offer it. For example, a station might broadcast another language as a second audio program. If you have SAP on, you will see the current program on the screen but hear the other language instead of the program's normal audio.*
- *If you have SAP on and the station you are watching is not broadcasting a second audio program, the station's normal audio will be output. However, occasionally there is no sound at all in **SAP** mode. If this happens, set the **MTS** feature to **Stereo** mode.*

Adjusting the audio quality

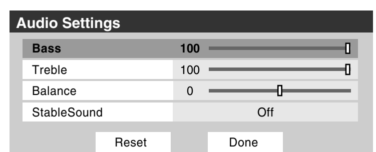
You can adjust the audio quality by adjusting the bass, treble, and balance.

To adjust the audio quality:

1 Press MENU and open the **Audio** menu.

2 Highlight **Audio Settings** and press ENTER.

3 Press ▼ or ▲ to highlight the item you want to adjust (**Bass**, **Treble**, or **Balance**).



4 Press ◀ or ▶ to adjust the level.
- *◀ makes the bass or treble weaker or increases the balance in the left channel (depending on the item selected).*
- *▶ makes the bass or treble stronger or increases the balance in the right channel (depending on the item selected).*

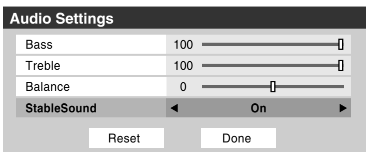
5 To save the new settings, highlight **Done** and press ENTER. To reset the settings to the factory defaults, highlight **Reset** and press ENTER.

Using the StableSound® feature

The StableSound® feature limits the highest volume level to prevent extreme changes in volume when the signal source changes (for example, to prevent the sudden increase in volume that often happens when a TV program switches to a commercial).

To turn on the StableSound® feature:

1. Press MENU and open the **Audio** menu.
2. Highlight **Audio Settings** and press ENTER.
3. In the **StableSound** field, select **On**.



4. To save the new settings, highlight **Done** and press ENTER. To revert to the factory defaults, highlight **Reset** and press ENTER.

   Note: *The RESET function returns your audio adjustments to the following factory settings:*

   Bass . . . . center (50)
   Treble . . . . center (50)
   Balance . . . . . . center (0)
   StableSound . . Off

To turn off the StableSound feature:

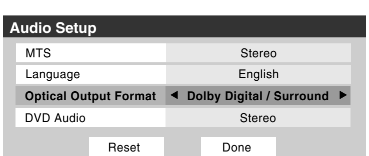
Select **Off** in step 3 above.

Selecting the optical audio output format

You can use this feature to select the optical audio output format when you connect a Dolby Digital decoder or other digital audio system to the **Optical Audio Out** terminal on the TV (☞ "Connecting a digital audio system" in the *Installation Guide*).

To select the optical audio output format:

1. Press MENU and open the **Audio** menu.
2. Highlight **Audio Setup** and press ENTER.
3. In the **Optical Output Format** field, select either **Dolby Digital/Surround** or **PCM**, depending on your device.



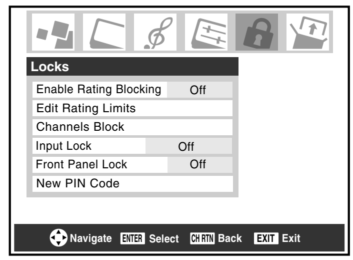
4. To save the new settings, highlight **Done** and press ENTER. To revert to the factory defaults, highlight **Reset** and press ENTER.

Using the Locks menu

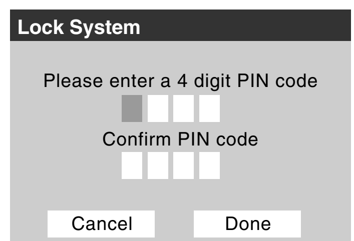
The Locks menu includes the Enable Rating Blocking, Edit Rating Limits, Channels Block, Input Lock, Front (control) Panel Lock, and New PIN Code features. You can use these features after entering the correct PIN code.

Entering the PIN code

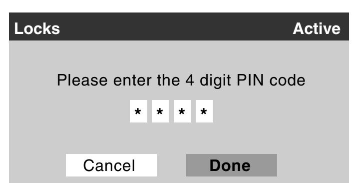
1. Press MENU and highlight the **Locks** menu icon.



2. Press ▼, which displays the PIN code entry screen.
   - The **Lock System** screen (below) appears if a PIN code has not been stored. Press the Channel Number buttons to enter a new four-digit code, enter the code a second time to confirm, and press ENTER.

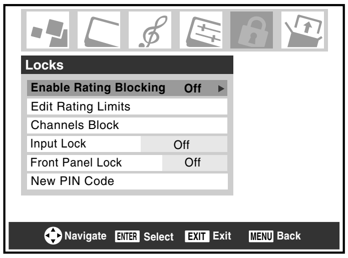


   - The **Locks/Active** screen (below) appears if the PIN code is already stored. Use the Number buttons to enter your four-digit code and press ENTER.



If the wrong PIN code is entered, the message "Incorrect PIN code, please try again!" appears. Highlight **Retry** and press ENTER. Enter the code again and press ENTER.

When the correct PIN code is entered, the **Locks** menu opens.

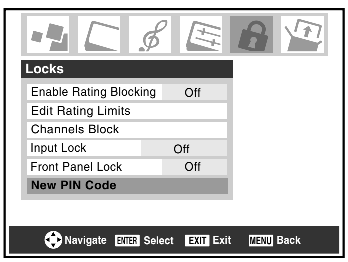


If you cannot remember your PIN code

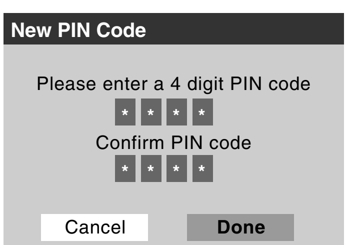
While the PIN code entering screen is displayed, press RECALL four times within five seconds. The PIN code will be cleared and you can enter a new PIN code.

Changing your PIN code

1. Press MENU and highlight the **Locks** menu icon.
2. Press ▼ to display the PIN code entering screen.
3. Enter your four-digit PIN code and press ENTER.
4. Press ▼ to highlight **New PIN Code** and press ENTER.



5. Press the Number buttons to enter a new four-digit code. Reenter the PIN code to confirm it.
6. Press ENTER. The new PIN code is now active.



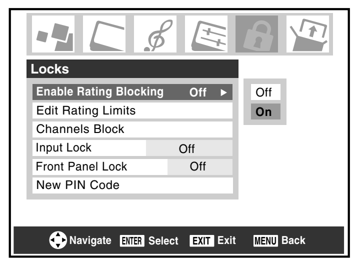
Blocking TV programs and movies by rating (V-Chip)

Some TV programs and movies include signals that classify the content of the program (violence, sex, dialog, language). The V-Chip feature in this TV detects the signals and blocks the programs according to the ratings you select. (For rating descriptions, see the tables on the next page.)

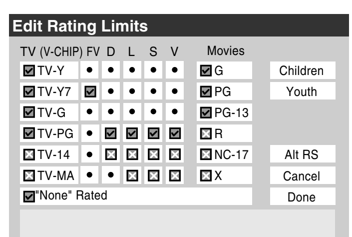
Note: *Rating blocking is a function of the V-Chip feature in this TV, which supports the U.S. V-Chip system only.*

To block and unblock TV programs and movies:

1. Press MENU and highlight the **Locks** menu icon.
2. Press ▼ to display the PIN code entering screen.
3. Enter your four-digit PIN code and press ENTER.
4. Press ▼ to highlight **Enable Rating Blocking**.
5. Press ▶ and ▼ to select **On**, and then press ENTER.



6. Press ▼ to highlight **Edit Rating Limits** and press ENTER. The **Edit Rating Limits** screen (below) appears.
7. Press ▲▼◀▶ and then press ENTER to select the level of blocking you prefer. A box with an "✕" is a rating that will be blocked. As you highlight a rating, a definition for the rating appears at the bottom of the screen.
8. When done selecting the ratings you want to block, highlight **Done** and press ENTER.



Blocking TV programs and movies by additional ratings

In the future, an additional rating system may become available for use in selectively blocking programs.

To download the additional rating system (if available):

1. Repeat steps 1-6 under "To block and unblock TV programs and movies" on the previous page.

   Note: *The currently tuned station must be receiving a digital signal before an additional rating system can be downloaded.*

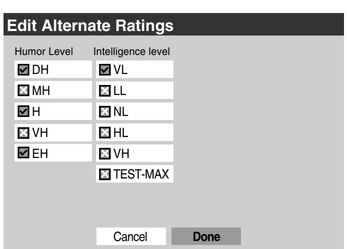
2. Highlight **Alt RS** and press ENTER. The **Edit Alternate Ratings** screen will appear.

   Note:
   - *The **Alt RS** button will only be available if an additional rating system is currently available.*
   - *Some period of time may be required to download the additional rating system.*
   - *The information displayed in the **Alternate Ratings** screen will depend on the configuration of the additional rating system available at the time of download.*

3. Press ▲▼◀▶ and then press ENTER to select the level of blocking you prefer. A box with an "✕" is a rating that will be blocked.

4. When you are finished selecting the ratings you want to block, highlight **Done** and press ENTER.

5. In the **Edit Rating Limits** screen, highlight **Done** and press ENTER.

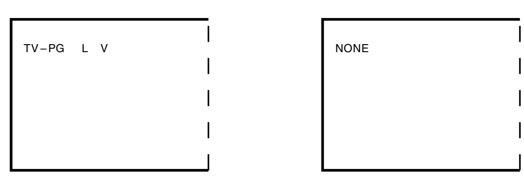


Note:
- *The additional rating system can only be downloaded one time. You will not be able to download any updates to the rating system should such updates become available.*
- *The additional rating system is not designed, transmitted, or controlled by the TV or Toshiba, nor is the availability of an additional rating system determined or controlled by Toshiba. Similarly, the rating of programs in an additional rating system is not determined, transmitted, or controlled by the TV or Toshiba.*
- *The additional rating system is an evolving technology; therefore, availability, content, and format may vary.*

Independent rating system for broadcasters	
Ratings	**Description and Content themes**
TV-MA	Mature Audience Only (This program is specifically designed to be viewed by adults and therefore may be unsuitable for children under 17.) **L)** Crude or indecent language **S)** Explicit sexual activity **V)** Graphic violence
TV-14	Parents Strongly Cautioned (This program contains some material that many parents would find unsuitable for children under 14 years of age.) **D)** Intensely suggestive dialog **L)** Strong, coarse language **S)** Intense sexual situations **V)** Intense violence
TV-PG	Parental Guidance Suggested (This program contains material parents may find unsuitable for younger children.) **D)** Some suggestive dialog **L)** Infrequent coarse language **S)** Some sexual situations **V)** Moderate violence
TV-G	General Audience (Most parents would find this program suitable for all ages.)
TV-Y7, TV-Y7FV	Directed to Older Children (This program is designed for children age 7 and above. Note: Programs in which fantasy violence may be more intense or more combative than other programs in this category are designated TV-Y7FV.)
TV-Y	All Children (This program is designed to be appropriate for all children.)

Independent rating system for movies	
Ratings	**Description and Content themes**
X	X-rated (For adults only)
NC-17	Not intended for anyone 17 and under
R	Restricted (Under 17 requires accompanying parent or adult)
PG-13	Parents Strongly Cautioned (Some material may be inappropriate for children under 13)
PG	Parental Guidance Suggested (Some material may not be suitable for children)
G	General Audience (Appropriate for all ages)

Note:
- *If you place an "✕" in the box next to "**'None' Rated**," programs rated "**None**" will be blocked; however, programs that do not provide any rating information will not be blocked.*
- *To display the rating of the program you are watching, press RECALL on the remote control. If it is rated "None," the word "**NONE**" appears in the **RECALL** screen (as shown below right). If rating information is not provided, no rating will appear in the **RECALL** screen.*

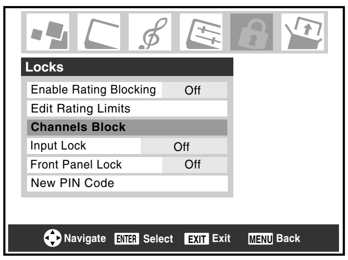


Blocking channels

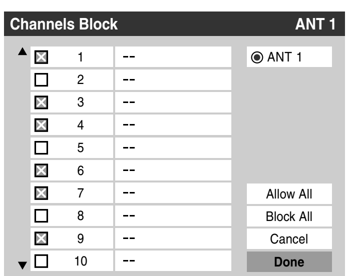
With the Channels Block feature, you can block specific channels. You will not be able to tune blocked channels unless you unlock them.

To block channels:

1. Press MENU and highlight the **Locks** menu icon.
2. Press ▼ to display the PIN code entering screen.
3. Enter your four-digit PIN code and press ENTER (☞ page 34).
4. Press ▼ to highlight **Channels Block** and then press ENTER.



5. Press ▲▼◀▶ to select the input for which you want to change the rating limits and press ENTER.
   A list of the channels available for that input will be displayed along with the call letters for each channel, if available.
6. Press ▲▼ to highlight the channel you want to block and press ENTER, which puts an "✕" in the box next to that channel.



7. Repeat step 6 for other channels you want to block.
8. Highlight **Done** and press ENTER.

To unblock individual channels:

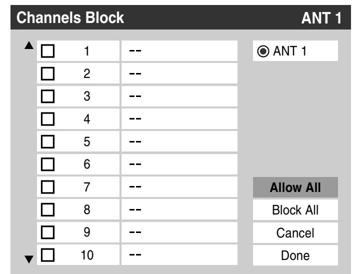
In step 6 above, press ▲▼ to highlight the channel you want to unblock, press ENTER to remove the "✕" from the box, highlight **Done** and press ENTER.

To block all channels at once:

Highlight **Block All** in step 6 at left, and then highlight **Done** and press ENTER.

To unblock all locked channels at once:

Highlight **Allow All** in step 6 at left, and then highlight **Done** and press ENTER.



Unlocking programs temporarily

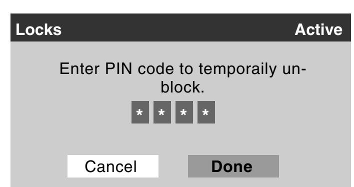
If you try to tune the TV to a program that exceeds the rating limits you set, the TV will enter program lock mode and the following message will appear on-screen:

> This program exceeds the rating limit you set.
> Push 'mute' to enter PIN.

You can either temporarily unlock the program or select an unlocked program to watch.

To temporarily unlock the program:

1. Press MUTE.
2. Enter your four-digit PIN code and press ENTER. If the correct code is entered, the program lock mode is released and the normal picture appears. All locking is disabled until the TV is turned off, and will be enabled when the TV is turned on again.



Using the input lock feature

You can use the Input Lock feature to lock the video inputs (**Built-In DVD**, **VIDEO 1**, **VIDEO 2**, **ColorStream HD-1**, **ColorStream HD-2**, **HDMI**, and **PC**) and channels 3 and 4. You will not be able to view the input sources or channels until you unlock the inputs.

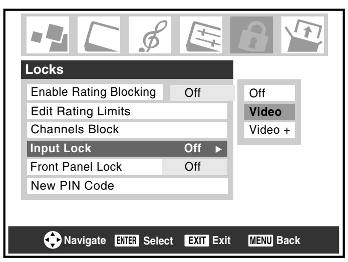
To lock/unlock the video inputs:

1. Press MENU and highlight the **Locks** menu icon.
2. Press ▼ to display the PIN code entering screen.
3. Enter your four-digit PIN code and press ENTER.
4. Press ▼ to highlight **Input Lock** and press ▶.
5. Press ▲ or ▼ to select the level of video input locking you prefer, as described below.

   Video: Locks Built-In DVD, VIDEO 1, VIDEO 2, ColorStream HD1/HD2, HDMI, and PC.

   Video+: Locks Built-In DVD, VIDEO 1, VIDEO 2, ColorStream HD1/HD2, HDMI, PC and channels 3 and 4.

   • Select **Video+** if you play video tapes via an ANT input.



   Off: Unlocks all video inputs and channels 3 and 4.

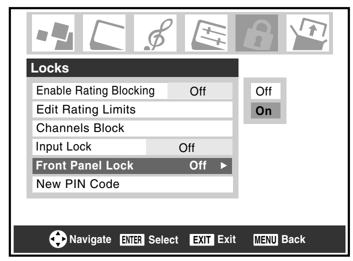
6. Press ENTER.

Using the control panel lock feature

You can lock the control panel to prevent your settings from being changed accidentally (by children, for example). When the control panel lock is **On**, none of the controls on the TV control panel will operate except **POWER**.

To lock the control panel:

1. Press MENU and highlight the **Locks** menu icon.
2. Press ▼ to display the PIN code entering screen.
3. Enter your four-digit PIN code and press ENTER.
4. Press ▼ to highlight **Front Panel Lock**.
5. Press ▶ and ◀ or ▶ to highlight **On** and press ENTER. When the control panel is locked and any button on the control panel (except **POWER**) button is pressed, the message "NOT AVAILABLE" appears.



To unlock the control panel:

Highlight **Off** in step 5 above, or press and hold the **VOLUME –** button on the TV control panel for about 10 seconds until the volume icon appears on-screen.

Using the PC setting feature

You can view the image from a PC on the TV screen. The PC must be connected to the TV's PC IN terminals (☞ *Installation Guide*).

You can use the PC Settings feature to adjust the picture's horizontal position/width, vertical position/height, clock phase, and sampling clock.

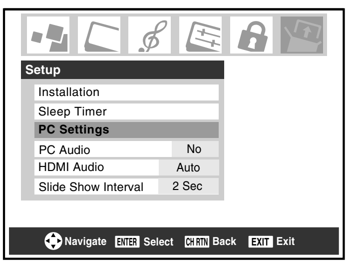
If the edges of the picture are cut off, readjust the **Horizontal Position/Width** and **Vertical Position/Height**. If the picture is affected by interference, readjust the **Clock Phase** and **Sampling Clock**.

To adjust the PC settings:

1 Repeatedly press (INPUT) to select PC input mode (☞ "Selecting the video input source to view" page 23).

2 Press MENU and open the **Setup** menu.

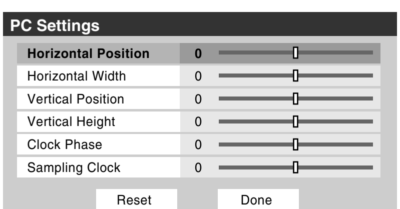
3 Highlight **PC Settings** and press (ENTER).



Note: *If a PC is not connected, this feature will be grayed out in the **Setup** menu.*

4 Press ▲ or ▼ to highlight the item you want to adjust.

5 Press ◀ or ▶ to make the appropriate adjustments.



Note: *The screen is disrupted momentarily when adjusting the PC settings. This is not a sign of malfunction.*

- **Horizontal Position:**
  Moves the picture left/right.
  The adjustment range is within ±5 from center.*
- **Vertical Position:**
  Moves the picture up/down.
  The adjustment range is within ±5 from center.*
- **Horizontal Width:**
  Adjusts the width of the picture.
  The adjustment range is within ±5 from center.*
- **Vertical Height:**
  Adjusts the height of the picture.
  The adjustment range is within ±5 from center.*
- **Clock Phase:**
  Helps to reduce noise and sharpen the picture.
  The adjustment range is within ±2 from center.*
- **Sampling Clock:**
  Helps to reduce noise and minimize periodic vertical stripes on the screen.
  The adjustment range is within ±15 from center.*

* The range of adjustment may vary slightly.

PC Audio

This function allows you to output the sound from your PC (if connected) or mute the sound from your PC and output the sound from your HDMI connection. (☞ *Installation Guide*)

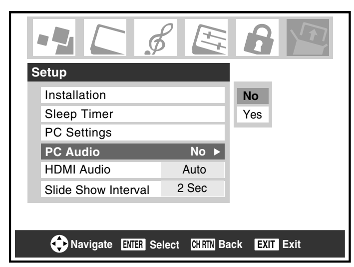
To set the PC Audio:

1 Press MENU and open the **Setup** menu.

2 Highlight **PC Audio**.

3 Press ▶ and then press ▼ to select **No** or **Yes**.

Yes: Outputs the sound from your PC.
No: Mutes the sound from your PC, and outputs the sound from the HDMI connection.



Note: *The **PC Audio** switch setting influences the **HDMI Audio** setting. If it is set to **No**, the **HDMI Audio** setting changes to **Auto**. If it is set to **Yes**, the **HDMI Audio** setting is set to **Digital** and will be grayed out.*

Setting the sleep timer

You can set the sleep timer to turn off the TV after a set length of time (maximum of 180 minutes).

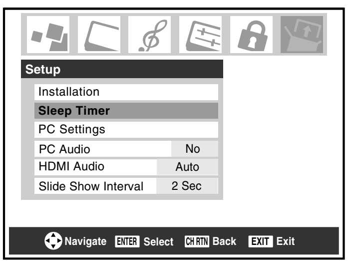
To set the sleep timer using the remote control:

Press SLEEP on the remote control to set the length of time until the TV turns off. Repeatedly press SLEEP to increase the time in 10-minute increments, or press ▲ or ▼ to increase or decrease the time in 10-minute increments, to a maximum of 180 minutes.

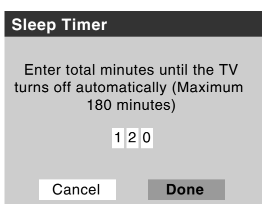
To set the sleep timer using the on-screen menus:

1 Press MENU and open the **Setup** menu.

2 Highlight **Sleep Timer** and press ENTER.



3 Press the Number buttons to enter the length of time in 10-minute increments.

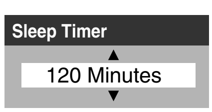


4 Highlight **Done** and press ENTER.

Note: *When a power failure occurs, the sleep timer setting may be cleared.*

To display the remaining sleep time:

Press SLEEP.



Note: *A message will display on-screen when there is one minute remaining on the sleep timer.*

To cancel the sleep timer:

Press SLEEP until it is set to 0 minute.

Displaying TV setting information on-screen using RECALL

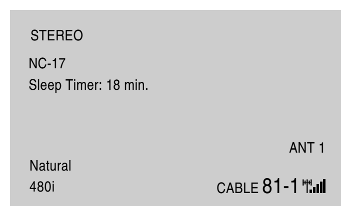
To display TV setting information on-screen:

Press RECALL on the remote control.

The following information will display on-screen (if applicable):

- Current input (**ANT 1**, **VIDEO 1**, etc.)
- If **ANT 1** is the current input, either "CABLE" (for cable TV) OR "TV" (for over-the-air broadcasts)
- Channel number (if in **ANT 1** mode)
- Digital signal strength indicator (bar graph in lower right corner of screen; for ATSC signal only)

  Note: *The signal strength indicator will react to fading and increasing signals.*
- Remaining time on sleep timer (if set)
- Stereo or SAP audio status
- V-Chip rating status
- Picture size
- Video resolution



Sample RECALL screen

To close the RECALL screen:

Press RECALL again.

Understanding the auto power off feature

The TV will automatically turn itself off after approximately 15 minutes if it is tuned to a vacant channel or a station that completes its broadcast for the day. This feature functions in **ANT 1** mode only.

Understanding the last mode memory feature

If the power is cut off while you are viewing the TV, the Last Mode Memory feature automatically turns on the TV when the power is resupplied.

Note: *You should unplug the TV's power cord if it is possible that you will be away from the TV for an extended period of time after the power is restored.*

Using the advanced picture settings features

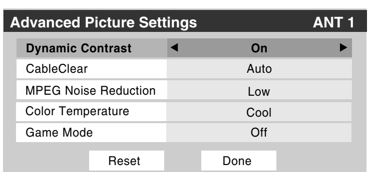
Using dynamic contrast

When dynamic contrast is set to **On**, the TV will detect changes in the picture quality that affect the appearance of your contrast settings and then automatically adjust the video.

When dynamic contrast is set to **Off**, the settings selected in the **Contrast** field in the **Picture Settings** menu will be used (☞ page 30).

To select dynamic contrast preferences:

1. Press MENU and open the **Video** menu.
2. Highlight **Advanced Picture Settings** and press ENTER.
3. In the **Dynamic Contrast** field, select either **On** or **Off**.



4. To save the new settings, highlight **Done** and press ENTER. To revert to the factory defaults, highlight **Reset** and press ENTER.

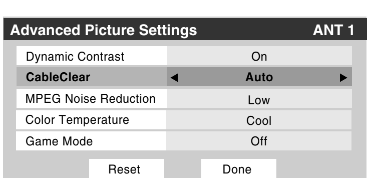
   Note: *If you select the* ***Movie*** *picture mode and then set the dynamic contrast to* ***On****, the picture mode automatically changes to* ***Preference*** *in the* ***Picture Settings*** *menu (☞ page 30).*

Using CableClear® digital noise reduction

The CableClear® digital noise reduction feature allows you to reduce visible interference in your TV picture. This may be useful when receiving a broadcast with a weak signal (especially a Cable channel) or playing a noisy video cassette or disc.

To change the CableClear settings:

1. Press MENU and open the **Video** menu.
2. Highlight **Advanced Picture Settings** and press ENTER.
3. In the **CableClear** field, select your desired setting.



Note:

- *If the current input is* ***ANT 1****,* ***VIDEO 1****, or* ***VIDEO 2****, the menu will display the text "****CableClear****." The available selections are* ***Off****,* ***Auto****,* ***Low****,* ***Middle****, and* ***High****.*
- *If the current input is* ***Built-In DVD****,* ***ColorStream HD1****,* ***ColorStream HD2****, or* ***HDMI****, the menu will display the text "****DNR****." The available selections are* ***Off****,* ***Auto****,* ***Low****,* ***Middle****, and* ***High****.* ***Auto*** *will react proportionally to the strength of the noise.* ***Low****,* ***Middle****, and* ***High*** *will reduce the noise in varying degrees, from lowest to highest, respectively.*

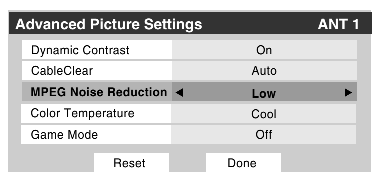
4. To save the new settings, highlight **Done** and press ENTER. To revert to the factory defaults, highlight **Reset** and press ENTER.

Using MPEG noise reduction

The MPEG noise reduction feature allows you to reduce visible interference caused by MPEG compression. Choices for MPEG noise reduction are **Off**, **Low**, **Middle**, and **High**. **Off** is automatically selected when this feature is disabled ("grayed out").

To select the MPEG noise reduction level:

1. Press MENU and open the **Video** menu.
2. Highlight **Advanced Picture Settings** and press ENTER.
3. Press ▲ or ▼ to highlight the **MPEG Noise Reduction** field, and then press ◀ or ▶ to select either **Off**, **Low**, **Middle**, or **High**.



4. To save the new settings, highlight **Done** and press ENTER. To revert to the factory defaults, highlight **Reset** and press ENTER.

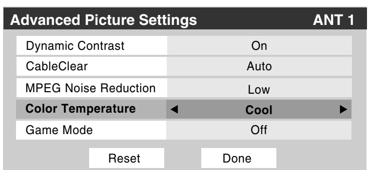
Selecting the color temperature

You can change the quality of the picture by selecting from three preset color temperatures (Cool, Medium, and Warm), as described below.

Mode	Picture Quality
Cool	blueish
Medium	neutral
Warm	reddish

To select the color temperature:

1. Press MENU and open the **Video** menu.
2. Highlight **Advanced Picture Settings** and press ENTER.
3. In the **Color Temperature** field, select the mode you prefer (**Cool**, **Medium**, or **Warm**).



4. To save the new settings, highlight **Done** and press ENTER. To revert to the factory defaults, highlight **Reset** and press ENTER.

   Note: *If you select one of the factory-set picture modes (**Sports**, **Standard**, or **Movie**) and then change the color temperature mode, the picture mode automatically changes to **Preference** in the **Picture Settings** menu.*

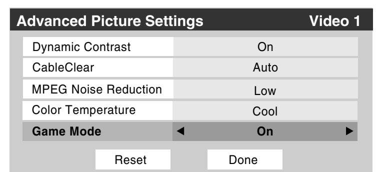
Using the Game Mode feature

You can use the Game Mode feature for shorter frame delays when playing a video game requiring split-second timing between the on-screen display and input from the controller (such as music creation and high-action games).

Note: *To use the Game Mode feature, the current video input must be **Video 1**, **Video 2**, **ColorStream HD1**, **ColorStream HD2**, or **HDMI**. The Game Mode cannot be turned on when any other video input is selected.*

To turn on Game Mode:

1. Press MENU and open the **Video** menu.
2. Highlight **Advanced picture settings** and press ENTER.
3. Press ▲ or ▼ to highlight the **Game Mode** field, and then press ◀ or ▶ to select **On**.



To turn off Game Mode:

Select **Off** in step 3 above, change the video input, or turn the TV off and then on again.

Note: *You can change the video input in any of the following ways:*

- *Pressing INPUT on the remote control (☞ page 23).*
- *Changing the channel using the Numbers or CH▲/CH▼, CH RTN, BACK CB ◀, NEXT CB ▶, or FAV▲/FAV▼.*

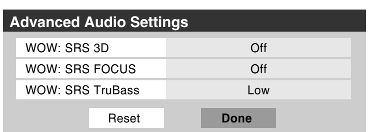
Using the advanced audio settings features

Using the SRS WOW™ surround sound feature

SRS WOW™ is a special combination of SRS Labs audio technologies (SRS 3D, SRS FOCUS, and SRS TruBass) that creates a thrilling surround sound experience with deep, rich bass from stereo sound sources. Your TV's audio will sound fuller, richer, and wider.

To adjust the WOW™ settings:

1. Put the TV in **STEREO** mode (☞ "Selecting stereo/SAP broadcasts" on page 33).
2. Press MENU and open the **Audio** menu.
3. Highlight **Advanced Audio Settings** and press ENTER.
4. Press ▼ or ▲ to highlight the WOW feature you want to adjust, and then press ◀ or ▶ to adjust the item.



- WOW: SRS 3D — To turn the surround sound effect **On** or **Off**.

Note: *If the broadcast is monaural, the SRS 3D effect will not work.*

- WOW: SRS Focus — To turn the vocal emphasis effect **On** or **Off**.
- WOW: SRS TruBass — To select the desired bass expansion level (**Off**, **Low**, or **High**).

5. To save the new settings, highlight **Done** and press ENTER. To revert to the factory defaults, highlight **Reset** and press ENTER.

WOW, SRS and (●) symbol are trademarks of SRS Labs, Inc.
WOW technology is incorporated under license from SRS Labs, Inc.

The **Toshiba Home Interactive Network Connection** (**THINC™**) feature allows you to connect the TV to your home network, which will enable access to file sharing features.

- **File sharing**
  You can access JPEG and MP3 files that are stored on your networked home PC and view/play them on the TV.

Note: *Requires a home network* (☞ Installation Guide). Does NOT require Internet/e-mail service.*

Follow the steps in sections A through D (☞ pages 45–49) to set up and use the TV's home network features.

* The THINC™ home network feature is compatible only with **Microsoft® Windows® 2000** and the **Home and Professional versions of Microsoft® Windows® XP Service Pack 1 and Service Pack 2**.
Microsoft and Windows are either registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries.

A. Connecting the TV to your home network

1. **Connect the TV to your home network** via the TV's RJ-45 (Ethernet) port. See ***Installation Guide*** for connection instructions.
2. Go to section B, "Setting up the network address," at right.

For home network troubleshooting tips, see Chapter 9.

The unauthorized recording, use, distribution, or revision of television programs, videotapes, DVDs, and other materials is prohibited under the Copyright Laws of the United States and other countries, and may subject you to civil and criminal liability.

B. Setting up the network address

To set up the network address:

1. **First, try automatically setting up the network address** (below).
2. If the automatic setup is not successful, you can **either** retry the automatic setup (below) **or** try manually setting up the network address (☞ page 46).

Note:

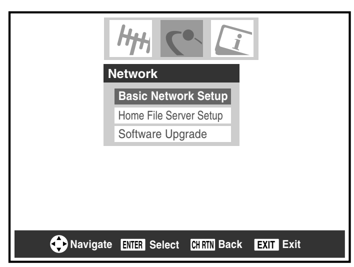
- *If you used an Ethernet crossover cable to connect your PC directly to the TV, you will not be able to use the automatic setup, and must manually set up the network address.*
- *If you used a hub or switch to connect the TV to your home network, you will not be able to use the automatic setup, and must manually set up the network address.*
- *If you used a router with built-in DHCP functionality, use the automatic setup. Manual setup may not work.*

Router technology, like all new and emerging technology, may from time to time cause compatibility issues because of the differences in router systems implemented by the various router manufacturers; however, most issues can be easily resolved. If you think your Toshiba TV and router might have compatibility problems, please contact the following:

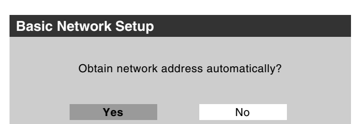
- **In the U.S.**, call TACP Consumer Solutions at **1-800-631-3811** or visit **http://www.tacp.com/customersupport/contact.asp**.
- **In Canada**, call TCL Customer Service at **1-800-268-3404** or visit **http://www.toshiba.ca**.

Automatically setting up the network address

1. Press MENU and open the **Setup** menu.
2. Highlight **Installation** and press ENTER. The **Installation** menu appears.
3. Open the **Network** menu.
4. Highlight **Basic Network Setup** and press ENTER.

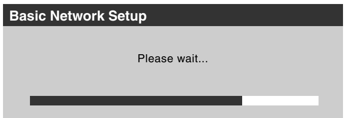


5. The message "Obtain network address automatically?" will display. Highlight **Yes** and press ENTER.



(continued)

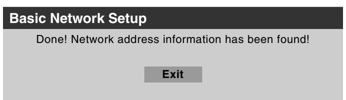
6 The message “Please wait…” will display while the TV is attempting to load the network address information from the DHCP server.



If the automatic network address setup is successful, go to step 7.

If the automatic network address setup is not successful, go to step 8.

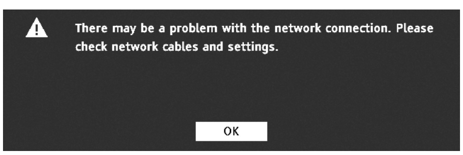
7 If the automatic network address setup is successful, the following screen will appear:



a) Press ENTER to close the screen and return to the **Network** menu.

b) Skip to section C, “Setting up file sharing on your PC” (☞ page 47).

8 If the automatic network address setup is **not** successful, the following screen will appear:



a) Make sure all cables for your home network are securely connected.

b) Make sure your home network is set up properly. **See *Installation Guide* for TV connection information. Also consult the owner’s manuals for your other components.**

c) Make sure the DHCP and security settings on your home router are correct. **Consult the owner’s manual for your router.**

d) Retry the automatic network address setup by following these steps:

(1) Highlight **OK** and press ENTER.

(2) Repeat steps 1–6. ***(If you have already repeated this setup process, go to step 9.)***

9 **If, after repeating steps 1–6, you receive the error message shown in step 8:**

Either…

a) Highlight **OK** and press ENTER.

b) **Go to “Manually setting up the network address”**.

Or…

a) Highlight **OK** and press ENTER.

b) **Continue to sections C, D, and E** (☞ pages 47–50) (to set up and use file sharing).

If the file sharing feature works correctly, then the automatic network address setup was successful (even though the TV displayed the error message).

Manually setting up the network address

This setup requires the data listed below. **You can get this data from either your ISP or the configuration utility for your DSL/cable modem or router.**

IP address:

___ ___ ___ . ___ ___ ___ . ___ ___ ___ . ___ ___ ___

Subnet mask:

___ ___ ___ . ___ ___ ___ . ___ ___ ___ . ___ ___ ___

Gateway (Router) address:

___ ___ ___ . ___ ___ ___ . ___ ___ ___ . ___ ___ ___

DNS (Domain Name Server) address:

___ ___ ___ . ___ ___ ___ . ___ ___ ___ . ___ ___ ___

1 Press MENU and open the **Setup** menu.

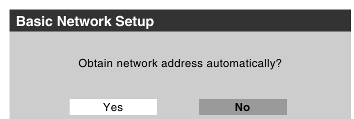
2 Highlight **Installation** and press ENTER. The **Installation** menu appears.

3 Open the **Network** menu.

4 Highlight **Basic Network Setup** and press ENTER.

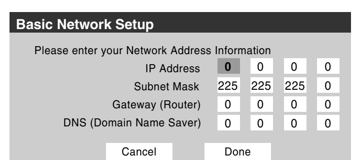
5 The message “Obtain network address automatically?” appears.

Highlight **No** and press ENTER.



6 The **Basic Network Setup** menu appears.

Press ▲ or ▼ to highlight the **IP Address** field, and then use the Number buttons on the remote control to input the IP address.



7 Press ▼ to highlight the **Subnet Mask** field, and then use the Number buttons to input the Subnet Mask.

8 Press ▼ to highlight the **Gateway (Router)** field, and then use the Number buttons to input the Gateway (Router) address.

9 Press ▼ to highlight the **DNS (Domain Name Server)** field, and then use the Number buttons to input the DNS address.

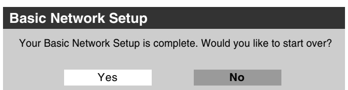
10 When finished, highlight **Done** and press ENTER.

The **Basic Network Setup** menu closes and the **Network** menu appears.

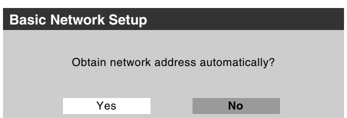
11 **Go to section C, “Setting up file sharing on your PC”.**

Resetting the network address

1 Press MENU and open the **Setup** menu.
2 Highlight **Installation** and press ENTER. The **Installation** menu appears.
3 Open the **Network** menu.
4 Highlight **Basic Network Setup** and press ENTER.
5 The message “Your Basic Network Setup is complete. Would you like to start over?” will appear.
   To continue, highlight **Yes** and press ENTER.
   To return to the **Network** menu, highlight **No** and press ENTER.



6 If you selected **Yes** in step 5, the message “Obtain network address automatically?” will appear.



   To obtain the network address automatically, go to step 5 under “Automatically setting up the network address” (☞ page 45).
   To manually enter the network address, go to “Manually setting up the network address”.

For home network troubleshooting tips, see Chapter 9.

C. Setting up file sharing on your PC

Compatible operating systems

The following operating systems are compatible for file sharing with the TV:

- Microsoft® Windows® XP Service Pack 2 (Home Edition and Professional) [*See setup details below*]
- Microsoft® Windows® XP Service Pack 1 (Home Edition and Professional) [*See setup details below*]
- Microsoft® Windows® 2000 [*See setup details on page 48*]

No other operating systems are compatible with the TV.

Note:

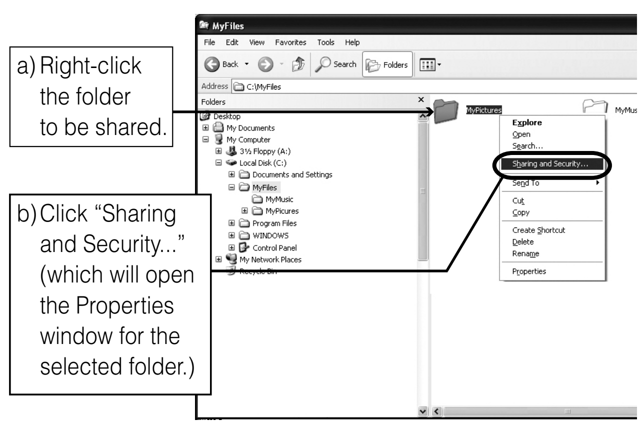
- *The name of any directory/folder on your PC that you are setting up for file sharing with the TV can have a maximum of 12 characters and cannot contain any special characters.*
- *See “Media specifications” (☞ page 50) for details on compatible JPEG and MP3 files.*
- *The network (NETBIOS) name of your PC that you are setting up for file sharing must be 15 characters or less.*

To determine which operating system and service pack (if applicable) are on your PC:

1 On your PC, click the “Start” button.
2 Click “Settings | Control Panel”.
3 In the Control Panel, double-click “System”.
4 Select the “General” tab, which will display your PC’s current operating system and service pack.

Setting up file sharing on a PC with Microsoft® Windows® XP Service Pack 1 or Service Pack 2

1 On your PC:



* Microsoft product screen shot(s) reprinted with permission from Microsoft Corporation.

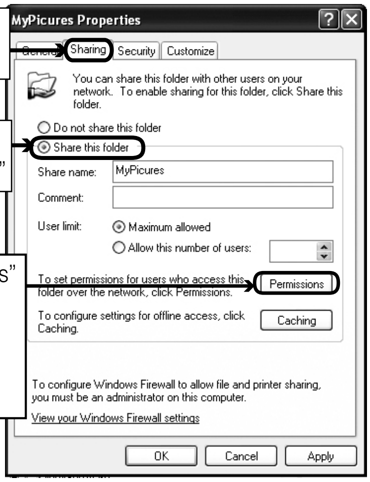
(continued)

2 In the Properties window for the selected folder:

a) Click to display the "Sharing" tab.

b) Click to select "Share this folder."

c) Click "Permissions" (which will open the Permissions window for the selected folder).

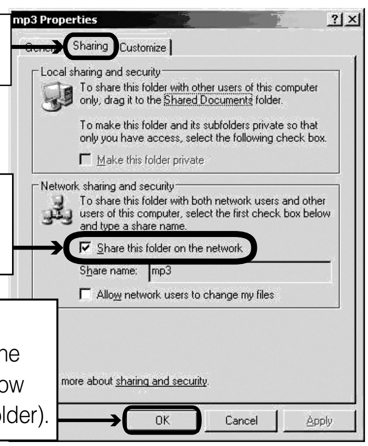


Note: *If the "Sharing" tab on your specific PC looks like the one illustrated below (with no "Permissions" button), follow the steps below. When you click "OK", you are finished setting up file sharing on your PC and can proceed to section D.*

a) Click to display the "Sharing" tab.

b) Click to select "Share this folder on the network."

c) Click "OK" (which will close the Permissions window for the selected folder).



3 In the Permissions window for the selected folder:

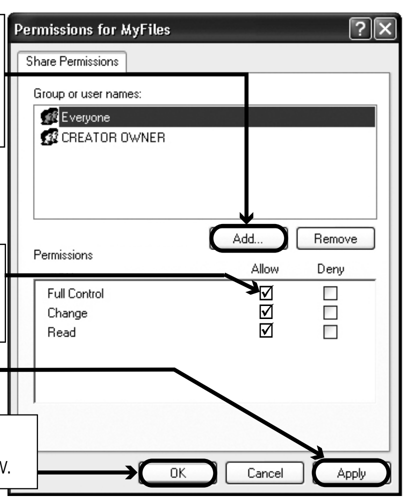
a) Click "Add..." and then select the user to be given sharing privileges.*

*This user must match the user stored in the TV's "Home File Server Setup" menu.

b) Click to check "Allow" next to "Full Control."

c) Click "Apply."

d) Click "OK" to close the window.



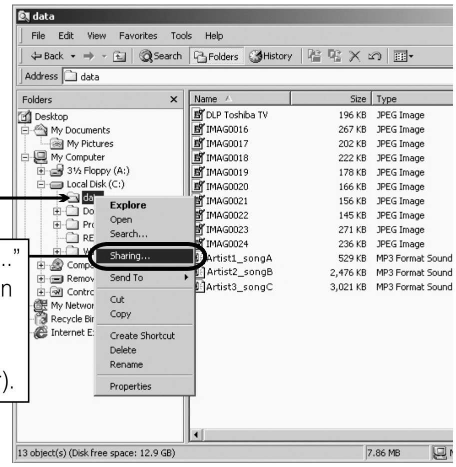
4 Go to section D, "Setting up file sharing on the TV".

Setting up file sharing on a PC with Microsoft® Windows® 2000

1 On your PC:

a) Right-click the folder to be shared.

b) Click "Sharing..." (which will open the Properties window for the selected folder).

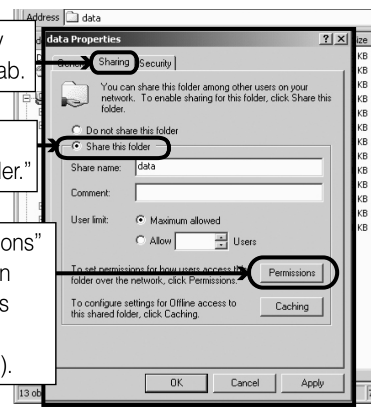


2 In the Properties window for the selected folder:

a) Click to display the "Sharing" tab.

b) Click to select "Share this folder."

c) Click "Permissions" (which will open the Permissions window for the selected folder).



3 In the Permissions window for the selected folder:

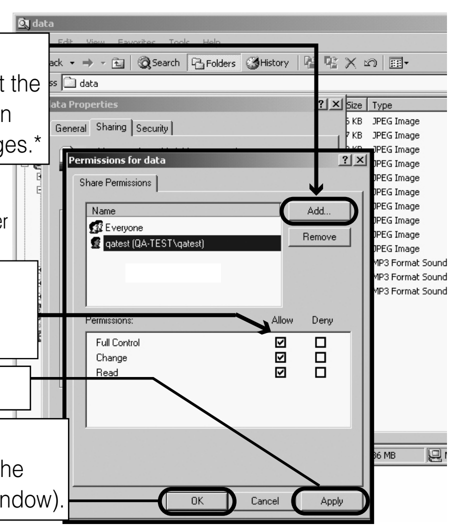
a) Click "Add..." and then select the user to be given sharing privileges.*

*This user must match the user stored in the TV's "Home File Server Setup" menu.

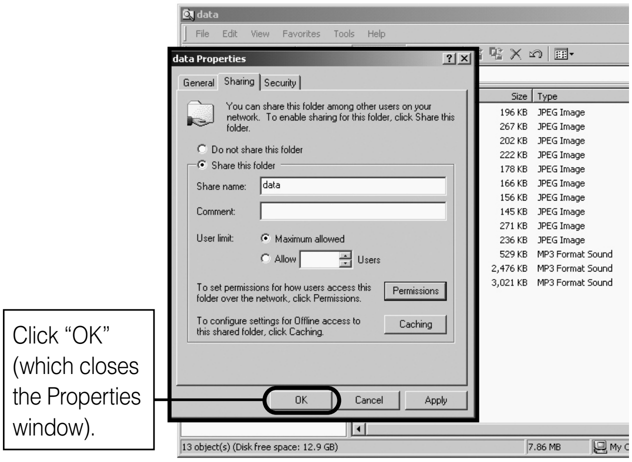
b) Click to check "Allow" next to "Full Control."

c) Click "Apply."

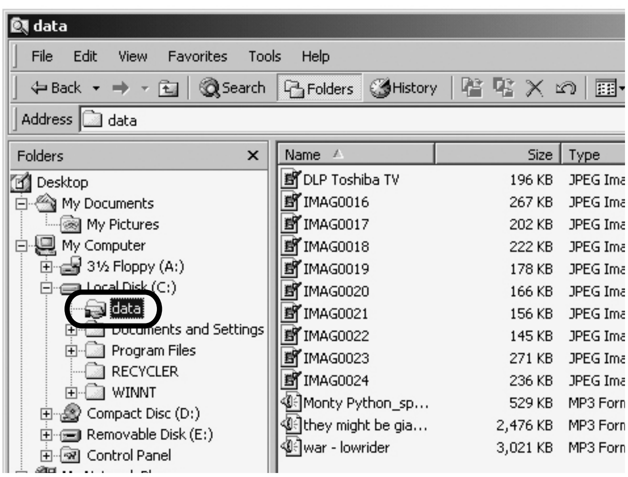
d) Click "OK" (which closes the Permissions window).



4 In the Properties window:



5 The shared folder will display with a "shared folder" icon (a hand holding a folder).



6 Go to section D, "Setting up file sharing on the TV".

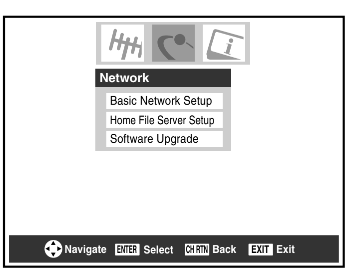
For home network troubleshooting tips, see Chapter 9.

D. Setting up file sharing on the TV

1 Press MENU and open the **Setup** menu.

2 Highlight **Installation** and press ENTER. The **Installation** menu will appear.

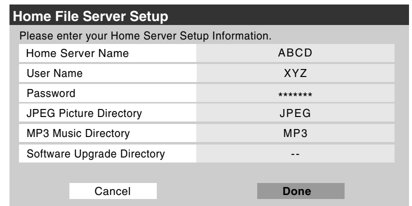
Open the **Network** menu.



3 Highlight **Home File Server Setup** and press ENTER. The **Home File Server Setup** window will appear.

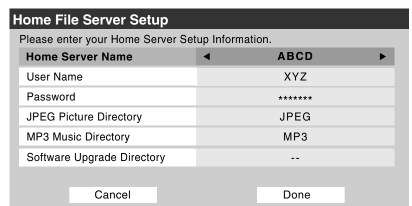
After a few moments, the message "Please Wait..." will appear until the network finds your networked PC.

The networked PC will act as the "Home Server" for file sharing with the TV.



4 Press ▲▼ to highlight **Home Server Name**, and then press ◀▶ to select the name of the PC you set up for file sharing.

If you have multiple PCs on your home network that have shared folders, press ◀▶ to select the PC (home server) from which you want to access files.



5 a. Press ▲▼ to highlight **User Name** and then press ENTER to open the on-screen keyboard for that field.

b. Enter the User Name for your PC using the on-screen keyboard. See "Using the on-screen keyboard".

Note: *The* ***User Name*** *is case sensitive.*

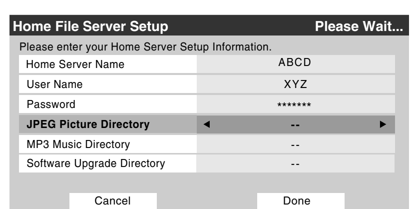
c. When finished entering all characters, highlight **Done** and press ENTER.

6 Repeat step 5 for the **Password** field.

Note: *The* ***Password*** *is case sensitive.*

7 Press ▲▼ to highlight either **JPEG Picture Directory** or **MP3 Music Directory**.

Note: *The first time you highlight either of these fields, the message "Please Wait..." will appear on-screen until the field is populated with the files in your PC's shared folder(s).*



8 Press ◀▶ to select the shared folder (on your PC) that contains the JPEG and/or MP3 files you want to view/play on the TV.

Note: *Make sure you select the correct folder in this step.*

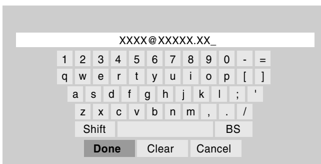
(continued)

9 To exit the window and save your settings, highlight **Done** and press ENTER.

To exit the window without saving your settings, highlight **Cancel** and press ENTER.

USING THE ON-SCREEN KEYBOARD

a) Press ▲▼◀▶ to highlight the desired letter, number, or character, and then press ENTER.



b) Repeat step "a" until you have finished entering all characters for the selected field.

Notes:

- *To toggle between uppercase and lowercase letters and between numbers and symbols, highlight **Shift** and press ENTER.*
- *To erase the last entered character, highlight **BS** (backspace) and press ENTER.*
- *To clear your entered characters, highlight **Clear** and press ENTER.*

c) When you are finished entering all characters for the selected field, highlight **Done** and press ENTER.

You will return to the previous **Setup** window.

About the Software Upgrade feature

This feature allows you to download updated software to your television from a shared folder on your home network. If you experience any difficulties that can only be resolved by a software update, your TACP/TCL customer service representative will provide you with the appropriate upgrade files, and assist you in the proper use of this feature.

E. Viewing/playing shared files on the TV

You can use the **Picture Viewer** to view compatible JPEG-format photos on your TV's screen.

You can use the **Audio Player** to play compatible MP3 files on the TV.

The TV can access JPEG and/or MP3 files that are stored on a networked PC (as described on pages 45–49, and *Installation Guide*).

Note:

- *If you are viewing/playing files stored on a networked PC, IT IS RECOMMENDED THAT YOU BACK UP YOUR DATA. Toshiba is not liable for any damage caused by the use of any networked PC, or shared files with this TV. Toshiba will not compensate for any lost data or recording(s) caused by the use of such PCs, or data.*
- *The technical criteria set out in this Guide are meant as a guide only.*
- ***You must obtain any required permission from copyright owners to download or use copyrighted content. Toshiba cannot and does not grant such permission.***

Media specifications

File/folder name specifications

- **Maximum file name length:** 255 characters.
- **Maximum shared folder* name length:** 12 characters.
- **File names must contain** US-ASCII characters only.
- **File and folder names cannot contain** any special characters, such as \ / : ? " " < > | .

* The words "folder" and "directory" are used interchangeably.

Picture Viewer/JPEG file specifications

- **Maximum JPEG file size:** 8 MB
  - *JPEG files larger than 8 MB will not display.*
- **Maximum JPEG image resolution:** 6000 × 4000 pixels
  - *Images with a resolution higher than 6000 × 4000 pixels will not display.*
- **The Picture Viewer is designed to display** only pictures stored in compatible JPEG formats with a file extension of ".jpg."
- **JPEG images processed and/or edited on a personal computer (PC)** may not display properly or at all.
- Some digital cameras may store images in a format that is not compatible with the TV.
- **JPEG files stored on a networked PC that are not in a file and folder format compatible with the TV will not display on the TV.**

Audio Player/MP3 file specifications

- **Maximum MP3 file size:** 50 MB
  - *MP3 files larger than 50 MB will not play.*
- **The Audio Player is designed to play** only music files stored in compatible MP3 formats with a file extension of ".mp3".
- **MP3 files processed and/or edited on a PC** may not play properly or at all. Some MP3 files may be in a format that is not compatible with the TV.
- **MP3 files must be in the following format:**
  - MPEG1 (ISO/IEC 11172-3) Layer3.
  - Sampling frequency—MPEG1: 32 kHz, 44.1 kHz, 48 kHz.
  - Bitrate—MPEG1: 32–320 kbps.
  - Channels—Stereo, Joint stereo, Dual channel, Single channel.
  - ID3 Ver. 1, Ver. 2.
- **The meta-data for MP3 files** (e.g, artist name, album name, song title, etc.) must be in the following format:

  ISO-8859-1 (US-ASCII/ Western European) character sets
- **MP3 files stored on a networked PC that are not in a file and folder format compatible with the TV will not play on the TV.**

Networked PC specifications

Maximum number of files per shared folder:

- JPEG = 1,000
  - *All JPEG files over the 1,000th in a shared folder will not display.*
- MP3 = 200
  - *All MP3 files over the 200th in a shared folder will not play.*

Maximum number of nested folder levels: 10 levels

- Files in folders more than 10 levels down from the top level folder will not display/play.
- See pages 45–49, for details on networking your TV and PC for file sharing.

Using the Picture Viewer

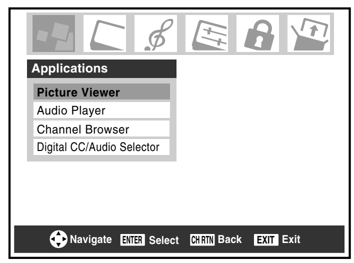
You can use the TV's **Picture Viewer** to display your digital photos (JPEG files) on your TV's screen in thumbnail mode or as a slide show.

Note:

- *You cannot use the **Picture Viewer** and **Audio Player** at the same time.*
- ***You must obtain any required permission from copyright owners to download or use copyrighted content. Toshiba cannot and does not grant such permission.***

Accessing JPEG files stored on a networked PC

1. Make sure you have correctly set up your home network and file sharing (☞ *Installation Guide* and pages 45–49).
2. Press MENU and open the **Applications** menu.
3. Highlight **Picture Viewer** and press ENTER.



   If the network is available, it will retrieve its JPEG picture list via the network.

4. Press ▲ or ▼ to access the folder or directory which contains the JPEG pictures you want to view.



   To expand a particular folder to view a list of images, press ▶ on the folder.

   To close the folder or directory, press ◀ on the folder or directory.

   Pressing ◀ on a file will move the focus up to the folder which contains the file.

   Pressing ▶ on a file will move the focus down to the next folder.

   Press ENTER on a particular folder, then the thumbnail view with the first image in the folder will be displayed. If you press ENTER on a particular file, the thumbnail view with that file as the first file in the thumbnail list will be displayed.

   Note: *You can use CH RTN to switch back and forth between the thumbnail and folder views. The item last selected will be highlighted upon return to the application.*

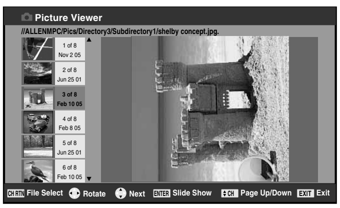
5. Go to "Viewing JPEG files on the TV" on the next page.

Viewing JPEG files on the TV

1 After accessing your JPEG files from your networked PC, the images automatically display on-screen, with one as a large picture and six in thumbnail format.



2 Press ◀ to rotate the large picture 90° counterclockwise.



3 Press ▶ to rotate the large picture 90° clockwise.



4 Press ▲ or ▼ to select another picture as the large picture.

5 Press ENTER to view your pictures in a slide show.



During the slide show:

- To stop on an image during the slide show, press ENTER.
- To resume the slide show, press ENTER again.
- To rotate the picture, press ◀ or ▶.
- To select another image, press ▲ or ▼.
- To stop the slide show and return to the picture viewer, press CH RTN.
- To stop the slide show and return to the regular TV screen, press EXIT.

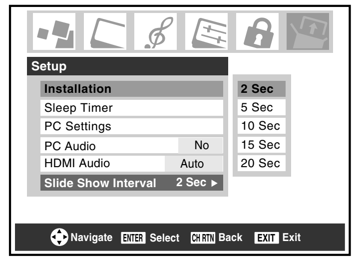
To set the slide show interval:

1 Press EXIT to close the **Picture Viewer** (if it is open).

2 Press MENU and open the **Setup** menu.

3 Highlight **Slide Show Interval** and press ENTER.

4 Select the interval from the menu sidebar (2, 5, 10, 15, or 20 seconds).



To view your JPEG files in Native Resolution mode:

To enter Native Resolution mode, press CH▲ or CH▼ during the slideshow. This will expand the image to its non-compressed format. A help bar for this mode can be displayed by pressing RECALL. This help bar will indicate that the user can scroll to the edges of the image by using ▲ ▼ ◀ ▶. In order to exit Native Resolution and return to the normal slideshow, press ENTER. To return to the thumbnail view, press either EXIT or CH RTN. If an image is too large to display in Native Resolution mode (6MB), a warning message will be shown.

To close the Picture Viewer:

Press EXIT to close the **Picture Viewer** and return to the regular TV screen.

Using the Audio Player

You can use the TV's **Audio Player** to listen to MP3 files on the TV.

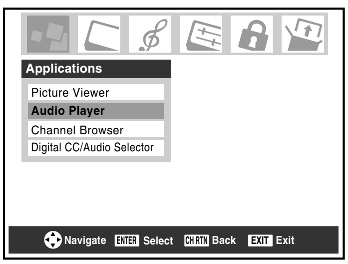
Note:
- *Make all desired adjustments to the TV's audio features (e.g., surround, bass, treble, balance) before starting the **Audio Player**.*
- *You cannot use the **Picture Viewer** and **Audio Player** at the same time.*
- ***You must obtain any required permission from copyright owners to download or use copyrighted content. Toshiba cannot and does not grant such permission.***

Accessing MP3 files stored on a networked PC

1 Make sure you have correctly set up your home network and file sharing (☞ *Installation Guide* and pages 45–49).

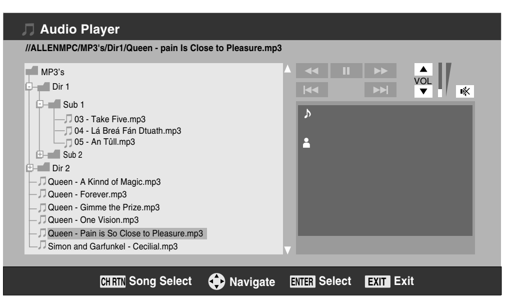
2 Press MENU and open the **Applications** menu.

3 Highlight **Audio Player** and press ENTER.



If the network is available, it will retrieve its MP3 files list via the network.

4 Press ▲ or ▼ to access the folder or directory which contains the MP3 files you want to play.



To expand a particular folder to view a list of images, press ▶ on the folder. To close the folder or directory, press ◀ on the folder or directory. Pressing ◀ on a file will move the focus up to the folder which contains the file. Pressing ▶ on a file will move the focus down to the next folder.

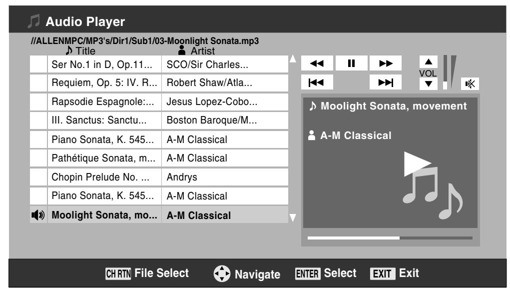
Press ENTER on a particular folder, then the song select view with the first image in the folder will be displayed. If you press ENTER on a particular file, the song select view will display with that file as the first file in the list.

Note: *You can use CH RTN to switch back and forth between the thumbnail and folder views with last memory applied to the location of the focus in the folder tree or playlist.*

5 Go to "Playing MP3 audio files on the TV".

Playing MP3 audio files on the TV

1 After accessing your MP3 files from your networked PC, the **Audio Player** will begin playing the first MP3 file in the list.



2 Press ▲▼◀▶ to navigate to the rewind, pause, fast forward, skip backward, skip forward, volume, and mute buttons—or to select another MP3 file—and then press ENTER.

To use the mute function:

To change or mute the playback volume, use +VOL / –VOL / MUTE on your remote (see page 32 for details on muting the sound) or navigate to the VOL and MUTE buttons on screen using ▲▼◀▶ on your remote and press ENTER.

To close the Audio Player:

Press EXIT to close the **Audio Player** and return to the regular TV screen.

Playing a disc

Be sure to set the MODE SELECT switch on the remote control to TV/DVD mode when using the built-in DVD.

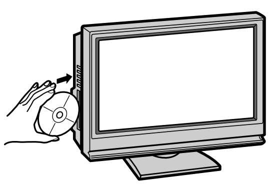
Basic playback (DVD) (VCD) (CD)

1 Press POWER on the TV or on the remote control to turn on the TV.
Press INPUT on the remote control or **INPUT** on the TV to select the **Built-In DVD** mode.

2 The DVD startup screen will appear on the screen.



3 Load the disc in the disc slot with the label side facing forward. (If the disc has a label.) Hold the disc without touching either of its surfaces, align it with the guides, and place it in position.



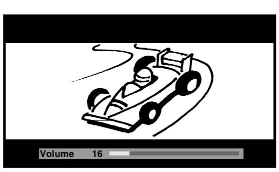
Note: *When inserting a disc into the DVD disc slot, do not jam or force it strongly, otherwise the TV may malfunction or the disc might be damaged. If left with half the disc inserted, the disc will be loaded automatically.*

4 "DISC LOADING" appears on the screen, then playback starts.



- A menu screen will appear on the TV screen, if the disc has a title menu. Press ▲▼◀▶ to select title, then press ENTER. Title is selected and play commences.

5 Press VOL + VOL – to adjust the volume.



Note: *When using an amplifier, adjust the volume with the amplifier.*

6 Press STOP to end playback.

Resume feature

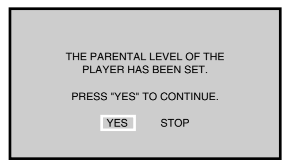
- Depending on the disc you are playing, when you press STOP one time, the TV memorizes the location where playback is stopped. Press PLAY to resume the playback from the stopped location.
- If you press STOP again or eject the disc, the TV will clear the stopped location.

Auto Play feature

If you load the disc in the TV off status, the TV is turned on and playback commences automatically. However, loading the disc may take 1-2 seconds.

About the Parental Lock screen

If the Parental Lock YES/NO screen appears after loading a disc and you want to temporarily unlock the Parental Lock, select "YES" and then input the PIN CODE following the on-screen menu.



CAUTION

Never insert your finger into the disc hole when loading the disc to the disc slot.
Keep your fingers well clear of the disc slot when disc is loading or unloading. Neglecting to do so may cause personal injury.

Because of problems and errors that can occur during the creation of DVD and CD software and/or the manufacture of DVD and CD discs, Toshiba cannot assure that the DVD player contained in this television will successfully play every disc bearing the DVD and CD logos. If you happen to experience any difficulty playing a DVD and/or CD disc on the DVD player contained in this television, please contact Toshiba Customer Service.

Note: *While a DVD is playing back, you cannot adjust the following:*

- *Optical Output Format selection (☞ page 34)*
- *Audio Language selection (☞ page 33)*
- *DVD Audio selection (☞ page 57)*
- *Menu Language selection (☞ page 18)*
- *V-Chip (parental control) setting (☞ page 35)*
- *DVD aspect ratio (☞ page 55)*

If you want to set up any of the above, stop the DVD by pressing STOP twice, and then set up (☞ "Resume feature").

Note: *Strong static electricity may affect the DVD player's operation and cause it not to work properly. If this happens, turn OFF the POWER, disconnect and then reconnect the AC power cord, and turn ON the TV again.*

About DVD VCD CD

The DVD VCD CD icons on the heading bar show the playable discs for the function described under that heading.

DVD : You can use this function with DVD video discs.

VCD : You can use this function with Video CDs.

CD : You can use this function with Audio CDs and CD-R/RW discs.

To start playback in the stop mode:

Press PLAY.

To pause playback (still mode):

Press PAUSE/STEP during playback.

To resume normal playback, press PLAY.

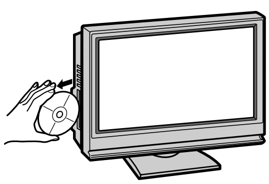
Note: *The sound is muted during still mode.*

To stop playback:

Press STOP.

To remove the disc:

1. Press EJECT.
2. Remove the disc after the disc comes out.



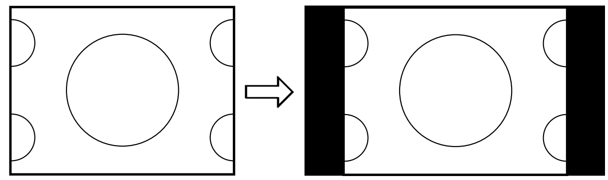
Note:

- *If a non-compatible disc is loaded, "WRONG REGION" will appear on the TV screen. In this case, check your disc again (☞ Installation Guide).*
- *Some discs may take a minute or so to start playback.*
- *If you insert a single-sided disc the wrong way, "DISC LOADING" will appear on the display for about 30-60 seconds and then "DISC NOT AVAILABLE" will display until you remove the disc.*
- *Some discs may not resume playing the same scene after stopping.*
- *Some playback operations of DVDs may be intentionally fixed by software producers. Since this TV plays DVDs according to the disc contents the software producers designed, some playback features may not be available. Also refer to the instructions supplied with the DVDs.*
- *Do not move the TV during playback. Doing so may damage the disc. If you want to move the TV to other place or room, be sure to eject the disc and turn off the power beforehand.*
- *If the disc is not loaded even if the disc is inserted into the DVD disc slot, remove the disc once and try to load the disc again.*
- *Do not put any objects other than discs in the disc slot. Doing so may cause the TV to malfunction.*
- *When you press a button, there may be a slight delay before the function activates.*

Using the DVD aspect ratio feature

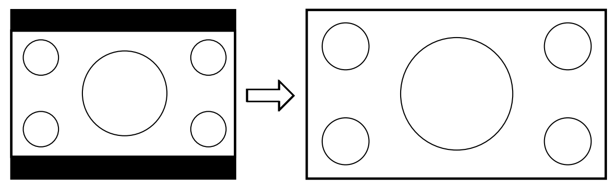
When you view a DVD in built-in DVD, you can select the DVD aspect ratio, as described below.

- **4:3 Pan Scan:** Black bars are visible on right and left sides of the screen.



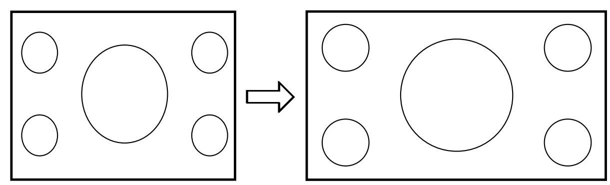
The picture that right and left of background is hidden.

- **4:3 Letter Box:** The picture is stretched wider and taller to fill the screen.



Letter box picture

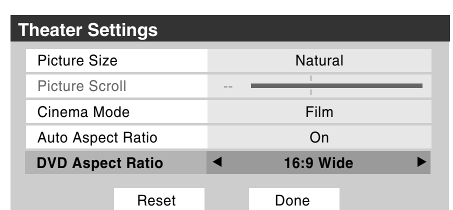
- **16:9 Wide:** The picture is stretched wider to fill the width of the screen.



Squeezed picture

To select the DVD aspect ratio:

1. Press MENU and open the **Video** menu.
2. Highlight **Theater Settings** and press ENTER.
3. In the **DVD Aspect Ratio** field, select the mode you prefer (**4:3 Pan Scan**, **4:3 Letter Box**, or **16:9 Wide**).



4. To save the new settings, highlight **Done** and press ENTER. To revert to the factory defaults, highlight **Reset** and press ENTER.

Note: *To change the DVD aspect ratio you may not be viewing a DVD at the same time (must be in FULL-STOP mode, not RESUME-STOP mode).*

Playing in fast reverse or fast forward DVD VCD CD

Press REW or FF during playback.

REW: Fast reverse playback (DVD : 2X-64X, VCD/CD: 2X-16X)

FF : Fast forward playback (DVD : 2X-64X, VCD/CD: 2X-16X)

Each time you press REW or FF , the playback speed changes.

To resume normal playback: DVD VCD CD

Press PLAY.

Note:

- *The TV mutes sound and subtitles during reverse and forward scan of DVD video discs. However, the TV plays sound during fast forward or fast reverse play of audio CDs.*
- *The playback speed may differ depending on the disc.*

To pause playback (still playback)

DVD VCD CD

Press PAUSE/STEP during playback.

To resume normal playback:

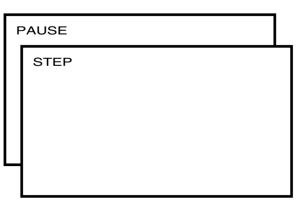
Press PLAY.

Note: *The sound is muted during still playback.*

Playing frame by frame DVD VCD

Press PAUSE/STEP during still playback.

Each time you press PAUSE/STEP, the picture advances one frame.



To resume normal playback:

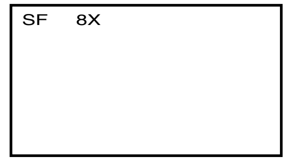
Press PLAY.

Note: *The sound is muted during frame by frame playback.*

Playing in slow motion DVD VCD

Press SLOW or SLOW during playback.

Each time you press the button, the slow-motion speed changes (DVD: 2X-8X, VCD: 1X-3X).



To resume normal playback:

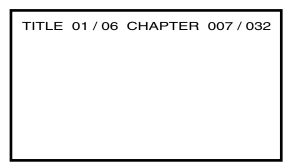
Press PLAY.

Note: *The sound is muted during slow-motion playback.*

Locating a chapter or track DVD VCD CD

Press SKIP or SKIP repeatedly to select the chapter or track you want.

Playback starts from beginning of the selected chapter or track.



Note: *A "Prohibition" symbol may appear at the upper left of the screen. This symbol means either the feature you tried is not available on the disc, or the TV cannot access the feature at this time. This does not indicate a problem with the TV.*

Changing angles DVD

When playing back a disc recorded with multi-angle facility, you can change the angle that you are viewing the scene from.

1. Press ANGLE during playback. The current angle will appear.
2. Press ANGLE repeatedly until the desired angle is selected.

Note: *Depending on the DVD, you may not be able to change the angles even if multi-angles are recorded on the DVD.*

Title selection (DVD)

Two or more titles are recorded on some discs. If the title menu is recorded on the disc, you can select the desired title.

1 Press [TOP MENU] during playback.
Title menu appears on the screen.

2 Press ▲ ▼ ◀ ▶ to select the desired title.

3 Press [ENTER] or [PLAY].
The playback of the selected title will start.

Note:
- *Depending on the DVD, you may not be able to select the title.*
- *Depending on the DVD, a "title menu" may simply be called a "menu" or "title" in the instructions supplied with the disc.*
- *Depending on the DVD, the title menu may be displayed automatically when the disc is loaded.*
- *Depending on the DVD, a chapter menu may be displayed after you select a title.*

Changing soundtrack language

(DVD) (VCD)

You can select the language when you play a multilingual disc.

1 Press [AUDIO] during playback.
The current soundtrack language will appear.

AUDIO 1 / 4 : DD D 5 . 1 ENGLISH

2 Press [AUDIO] repeatedly until the desired language is selected.
- The on screen display will disappear after a few seconds.

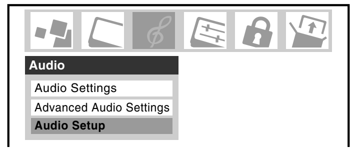
AUDIO 2 / 4 : DD D 5 . 1 JAPANESE

In case of Video CD playback

1 Stop the disc playback.

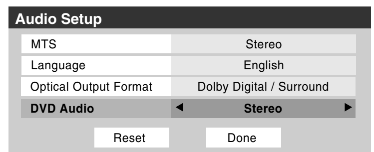
2 Press [MENU] and open the **Audio** menu.

3 Highlight **Audio Setup** and press [ENTER].



4 Press ▲ or ▼ to highlight **DVD Audio**, and then press ◀ or ▶ to select the desired audio mode (**Stereo**, **L-Mono**, **R-Mono**, or **MIX-Mono**).

Note: *This item may not be selectable depending on the disc.*



Note:
- *If the desired language is not heard after pressing the button several times, the language is not recorded on the disc.*
- *Changing soundtrack language is cancelled when you eject the disc. The initial default language or available language will be heard if the disc is played back again.*
- *If you select DTS in playing DTS-encoded disc, no sound will be heard from the TV's speakers.*

Subtitles (DVD)

When playing back a disc recorded with subtitles, you can select the subtitle language or turn the subtitle off.

1 Press [SUB TITLE] repeatedly during playback until your desired language appears.

SUBTITLE 02 / 02 : JAPANESE

2 To turn off the subtitle, press [SUB TITLE] until "SUBTITLE OFF" appears.
- The "SUBTITLE OFF" on screen display will disappear after a few seconds.

SUBTITLE OFF

Note:

- *Depending on the DVD, you may not be able to change subtitles, or to turn subtitles on or off.*
- *While playing a DVD, the subtitle may change when you loaded or eject the disc.*
- *In some cases, a selected subtitle language may not be changed immediately.*

Disc status DVD VCD CD

With each press of RECALL, the status of the disc will appear on the screen and change as follows:

Display example

DVD

TITLE / CHAPTER
(time display)
↓
TITLE REMAIN
↓
CHAPTER ELAPSED
↓
CHAPTER REMAIN
↓
OFF

MP3/JPEG Files

CHAPTER ELAPSED
(time display)
↓
CHAPTER REMAIN
↓
OFF

VCD CD

SINGLE ELAPSED
TRACK 01/18 (time display)
↓
SINGLE REMAIN
↓
TOTAL ELAPSED
↓
TOTAL REMAIN
↓
OFF

MP3/JPEG CD operation

This TV can play MP3/JPEG-data which has been recorded on CD-R or CD-RW.

To produce MP3/JPEG-data, you need a Windows-PC with CD-R/RW drive and MP3/JPEG-encoding Software (not supplied).

Files recorded on an Apple® HFS (hierarchical file system) volume cannot be played.

Apple is a registered trademark of Apple Computer, Inc.

MP3/JPEG CD information VCD

Limitations on MP3/JPEG CD playback

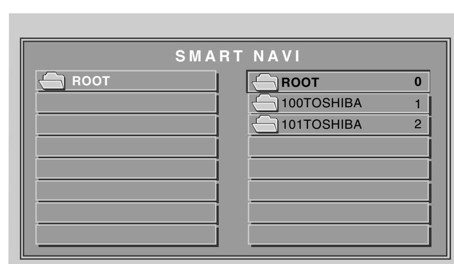
- MP3/JPEG CDs must meet ISO9660 standards. Files must have one of the following extensions: .mp3, or .jpg.
- MP3/JPEG CDs cannot be used for the purpose of recording.
- If the CD has both audio tracks and MP3/JPEG files, only audio tracks are played.
- It may take more than 1 minute for this TV to read MP3/JPEG files depending on its structure.

Note:

- *Some MP3/JPEG CDs cannot be played back depending on the recording conditions.*
- *The CD-R/RWs that has no music data or non MP3/JPEG files cannot be played back.*

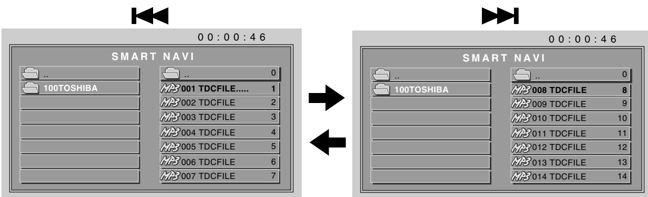
MP3 CD playback CD

1. Load a disc on which MP3 files have been recorded in the disc slot.
2. A file menu screen will appear on the screen. Press ▲▼◀ ▶ and then press PLAY to select a folder.



3 Press ▲▼ or the Number buttons (0-9) to select the desired file.

- In case the folder includes more than 8 files, press SKIP ⏮/SKIP ⏭ to display the previous or next list.



4 Press PLAY ▶.

The selected file starts playing back.

To display the previous list, press SKIP ⏮.

For fast reverse playback, press REW ◀◀.

For fast forward playback, press FF ▶▶.

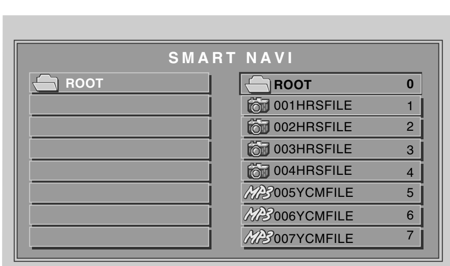
5 Press STOP ■ to end playback.

- The TV records the stopped point where playback ended. Press PLAY ▶ to resume playback (from the same point).
- If you press STOP ■ again or unload the disc, the TV will clear the stopped point.

Note:

- *The DIGITAL AUDIO OUT terminal on the TV outputs MP3 sounds in the linear PCM format regardless of the current “Optical Output Format” selection.*
- *The DVD player contained in this television requires discs/recordings to meet certain technical standards in order to achieve optimal playback quality. There are many different types of recordable disc formats (including CD-R containing MP3/WMA files). Not all recordable discs will operate or produce optimal playback quality. The technical criteria set forth in this owner's manual are meant only as a guide. Use of CD-RW for MP3 files is not recommended.*
- *You must obtain any required permission from copyright owners to download or use copyrighted content. Toshiba cannot and does not grant such permission.*

About the file menu



MP3 : Indicates MP3 file

📷 : Indicates JPEG file

Note:

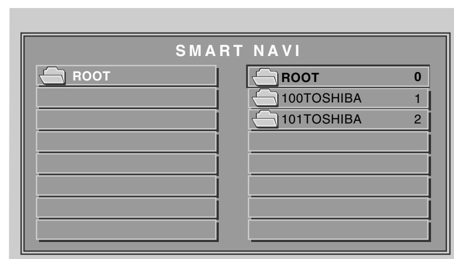
- *The picture menu is displayed when the FUJICOLOR CD or the Kodak Picture CD is played. To display the file menu, press TOP MENU.*
- *MP3 file on the Kodak Picture CD are not recognized on this TV.*
- *When displaying the SMART NAVI, use the **Natural** or **Full** picture size (☞ page 27).*

JPEG CD playback (CD)

You can select your desired JPEG file from the file menu. The slide show enables you to view pictures (files) one after another automatically.

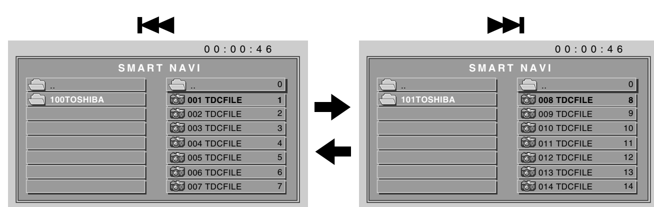
1 Load a disc on which JPEG files have been recorded in the disk slot.

2 A file menu screen will appear. Press ▲▼◀▶ and then press PLAY ▶ to select a folder.

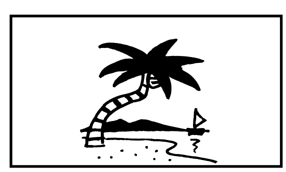


3 Press ▲▼ or the Number buttons (0-9) to select the desired file.

- To display the previous or next list, press SKIP ⏮/SKIP ⏭



4 Press PLAY ▶ to start the slide show from the selected file.



5 Press STOP ■ to end playback. The file menu will appear on the screen. If you want to view another file, repeat steps 3–4.

- If you press PAUSE/STEP during the slide show, the slide show stops temporarily. “❚❚” appears briefly on the screen. Press PLAY ▶ or SKIP ⏭ again to resume the slide show.
- When slide show playback has finished, the file list appears.
- To stop the slide show, press STOP ■. The file list will appear.

General troubleshooting

Before calling a service technician, please check this chapter for a possible cause of the problem and some solutions you can try.

Black box on screen

- The Closed Caption feature is set to one of the Text modes (**T1**, **T2**, **T3**, or **T4**). Set the **Closed Caption** feature to **Off** (☞ page 31).

TV stops responding to controls

- If the TV stops responding to the controls on the remote control or TV control panel and you cannot turn off the TV, press and hold the **POWER** button on the TV control panel for 5 or more seconds to reset the TV.

Other problems

- If your TV's problem is not addressed in this Troubleshooting section or the recommended solution has not worked, use the Restore Factory Defaults procedure (☞ page 22).

TV will not turn on

- Make sure the power cord is plugged in, and then press POWER.
- The remote control batteries may be dead. Replace the batteries or try the control panel buttons.

Picture problems

General picture problems

- Check the antenna/cable connections (☞ *Installation Guide*).
- Press INPUT on the remote control or TV and select a valid video input source (☞ page 23). If no device is connected to a particular input on the TV, no picture will display when you select that particular input source. For device connection details, see the *Installation Guide*.
- Antenna reception may be poor. Use a highly directional outdoor antenna (if applicable).
- The station may have broadcast difficulties. Try another channel.
- Adjust the picture qualities (☞ page 30).
- If you are using a VCR, make sure TV/VCR on the remote control is set correctly (☞ page 11).
- If you have two VCRs connected to your TV, make sure you have not connected the same VCR to the TV's output and input connections at the same time (☞ *Installation Guide*).
- Do not connect both a standard video cable and an S-video cable to the **VIDEO 1** input at the same time (☞ *Installation Guide*).

Noisy picture

- If you are watching an analog channel (off-air broadcast or Cable TV), you can set the **CableClear®/DNR** feature to **AUTO** to reduce visible interference in the TV picture (☞ page 42).

Video Input Selection problems

- If the **Input Selection** window does not appear when you press INPUT on the remote control or TV, press INPUT a second time, which will change to the next video input source and display the **Input Selection** window.

Cannot view external signals or channel 3 or 4

- If you cannot view signals from external devices connected to **VIDEO 1**, **VIDEO 2**, or **ColorStream**®, or from channels 3 or 4, make sure the **Input Lock** is set to **Off** (☞ page 38).

Poor color or no color

- The station may have broadcast difficulties. Try another channel.
- Adjust the **Tint** and/or **Color** (☞ page 30).
- When the **ColorStream®** signal source is active, the **VIDEO OUT** terminal does not output video. To receive video from the **VIDEO OUT** terminal, a standard video or **S-video IN** connection must be used instead of the **ColorStream**® connections.

Poor composite or S-video picture

- If the TV is connected to an external A/V device (e.g., DVD player, video game system, set-top box, etc.) try using a **ColorStream** or **HDMI** video connection instead.

Picture and sound are out of sync

- As with all products that contain a digital display, in rare instances, when viewing certain content (e.g.. television broadcasts, video games, DVDs), you may notice that the sound and picture are slightly out of sync. This phenomenon can be caused by various factors including, without limitation, video processing within the TV, video processing in an attached gaming system, and video processing or different compression rates used by broadcasters in their programming. You may want to try one or more of the following suggestions, which may help to reduce the effect of this phenomenon:
  - If the TV is connected to an A/V receiver that has a programmable audio delay feature, use this feature to help synchronize the sound to the picture.
  - If you notice this phenomenon only on certain TV channels, please contact your local broadcast, cable, or satellite provider to inform them of this issue.

LED indications while in reboot from standby

- When you plug the power cord in, the yellow LED will blink until the TV enters standby mode, (plugged in but not powered on). This is normal and is not a sign of malfunction.

Sound problems

- Check the antenna/cable connections (☞ *Installation Guide*).
- The station may have broadcast difficulties. Try another channel.
- The sound may be muted. Press **VOLUME**.
- If you hear no sound, try setting the **MTS** feature to **Stereo** mode (☞ page 33).
- If you are not receiving a second audio program from a known SAP source, make sure the **MTS** feature is set to **SAP** mode (☞ page 33).
- If you hear audio that seems "incorrect" for the program you are watching (such as music or a foreign language), the SAP mode may be on. Set the **MTS** feature to **Stereo** mode (☞ page 33).

Remote control problems

- Make sure the remote control is set to the correct device mode (☞ page 10).
- Remove all obstructions between the remote control and the TV.
- The remote control batteries may be dead. Replace the batteries (☞ page 9).
- Your TV remote control may not operate certain features on your external device. Refer to the owner's manual for your other device to determine its available features. If your TV remote control does not operate a specific feature on another device, use the remote control that came with the device (☞ pages 11–15).
- If the TV still does not act as expected, use the Reset Factory Defaults procedure (☞ page 22).

Channel tuning problems

- Make sure the remote control is set to the correct device mode (☞ page 10).
- The channel may have been erased from the channel memory by the **Channel Add/Delete** feature. Add the channel to the channel memory (☞ page 19).
- The channel may be blocked by the **Channels Block** feature. Unblock the channel (☞ page 37).
- If you are unable to tune digital channels, check the antenna configuration (☞ page 18). If you are still unable to tune digital channels, clear all channels from the channel list (☞ page 20) and reprogram channels into the channel memory (☞ page 19). If you are still unable to tune digital channels, use the Reset Factory Defaults procedure (☞ page 22). Also see "TV stops responding to controls" and "Other problems" (☞ page 60).

Closed caption problems

- If the program or video you selected is not closed-captioned, no captions will display on-screen (☞ page 31).
- If text is not available, a black rectangle may appear on-screen. If this happens, turn off the closed caption feature (☞ page 31).
- A closed caption signal may not display correctly in the following situations: a) when a videotape has been dubbed; b) when the signal reception is weak; or c) when the signal reception is nonstandard (☞ page 31).

Rating blocking (V-Chip) problems

- If you forget your PIN code: While the PIN code entering screen is displayed, press RECALL four times within 5 seconds. The PIN code you previously stored will be cleared (☞ page 34).
- The V-Chip feature is available for the U.S. V-Chip system only (☞ page 35).

Audio Player problems

The Audio Player stutters and/or stops when playing files over the network

- The networked PC is not available, was removed from the network, or is in "hibernation." The Ethernet cables are not connected properly. Check all cables for proper connection.
- Sufficient network band-width is not available. Turn off any other file sharing programs, network-based games, or other network-intensive operations while the **Audio Player** is playing.

"No media found" message is displayed

- Sharing is not correctly set up on the networked PC. Make sure you connected your home network correctly (☞ *Installation Guide*) and set up the network address properly (☞ Chapter 7).
- The MP3 files exceed the specified limits (☞ "Media specifications" in Chapter 7).

Title or artist name is not displayed

- The MP3 file does not contain valid meta-data or does not meet supported specifications (☞ "Media specifications" in Chapter 7).

The Audio Player takes almost a minute to start

- Sufficient network band-width is not available. Turn off any other file sharing programs, network-based games, or other network-intensive operations while the **Audio Player** is playing.
- The shared folder has too many files or sub-folders. If the shared folder on the networked PC contains a large number of files or nested directories, it may take over a minute for the **Audio Player** to locate all playable files.

The File is displayed but is always skipped

- The file is not a valid or supported MP3 file.

Some files in the shared folder are not played

- Only the first 200 MP3 files found will be played. Folders nested 10 or more levels below the shared folder are not searched.

The Audio Player plays (progress bar and animation change) but audio is not heard

- The volume level is not high enough or TV is muted.

Picture Viewer problems

“No pictures found” message is displayed.

- Sharing is not correctly set up on the networked PC. Make sure you connected your home network correctly (☞ *Installation Guide*) and set up the network address properly (☞ Chapter 7).
- The JPEG files exceed the specified limits (☞ “Media specifications” in Chapter 7).

Picture viewer option in menu is disabled.

- There are no picture files in the networked PC's shared folder(s).
- Basic network setup and Home server setup were not successfully performed.

Picture is not displayed. Rectangle containing “X” is displayed instead.

- The picture file does not meet the specifications for the **Picture Viewer** (☞ “Media specifications” in Chapter 7).

Picture is not listed at all.

- There are no picture files in the networked PC’s shared folder(s).
- The number of pictures files found is more than the TV can display.
- The picture file does not have a valid “.jpg” extension.
- The file is too large or is otherwise not compatible with the TV for display. See “Media specifications” in Chapter 7 for Picture Viewer and JPEG file specifications.

Home network troubleshooting

Basic network setup problems

Cannot connect to network

- Check the modem and splitter connections.
- Make sure the splitter is connected to the modem or TEL correctly (☞ *Installation Guide*).
- Confirm your modem’s operation with this manual.
- Make sure your network address and is set up correctly (☞ Chapter 7).

No network connection

- The Ethernet cables are not connected properly or at all. Connect all cables (☞ *Installation Guide*).
- Make sure the modem’s power cord is plugged in.
- Make sure your network address is set up correctly (☞ Chapter 7).

Automatic setup fails

- The Ethernet cables are not connected properly or at all. Connect all cables (☞ *Installation Guide*).
- The DHCP service is not enabled on the router, or no router is present. Refer to your router’s documentation for instructions on enabling DHCP. If you do not have a router, you must manually set up the network address (☞ page 46).
- Internet service is not available. Check your cable/DSL modem or contact your ISP for Internet service issues.

Manual setup fails

- The Ethernet cables are not connected properly or at all. Connect all cables (☞ *Installation Guide*).
- The TV IP address is the same as the networked PC’s. The TV IP address must be different from the PC’s IP address.
- The TV IP address is not on the same subnet as the networked PC’s. For example, if the PC has IP 192.168.0.100 with netmask 255.255.255.0, and the TV has IP 192.168.0.200 with netmask 255.255.255.0, then they are both on same subnet. Conversely, if the PC has IP 192.168.1.100 with netmask 255.255.255.0, and the TV has IP 192.168.0.200 with netmask 255.255.255.0, then they are on DIFFERENT sub-nets.

Unstable network connection

- Unplug the Ethernet cables, and then connect them again.

Home server setup problems

The PC ("Home Server") name is not displayed

- The Ethernet cables are not connected properly or at all. Connect all cables (☞ *Installation Guide*).
- The network setup on the PC is incorrect. Make sure both the PC and TV are using the same network type (DHCP/ manual) and have compatible network settings.
- The networked PC does not have shared folders set up correctly. See "Set up file sharing on your PC" in Chapter 7 for details.
- There are no master browsers on the network. To configure your networked PC to be the master browser of its subnet, refer to your operating system user guide or consult an IT professional.
- Too many sharing devices are connected. You cannot connect more than 16 sharing devices at one time.

The PC ("Home Server") name is displayed but the shared folder(s) are not displayed.

- The networked PC does not have shared folders set up correctly. See "Set up file sharing on your PC" in Chapter 7 for details.
- The TV's user name and password do not match the PC's. Make sure the user name and password settings in the TV exactly match the settings in the networked PC. User names and passwords are generally case sensitive.

DVD Troubleshooting

Playback doesn't start

- The disc is reversed. Load the disc with the playback side facing backward.
- No disc is loaded. Load the playable disc.
- The disc may be dirty. Clean the disc.
- The TV cannot play CD-ROMs, etc. Load the playable disc.

No picture

- TV selector is not set correctly.

No sound

- The analog audio output terminals on the TV do not output the sounds from the disc. Connect your digital audio system to the **DIGITAL AUDIO OUT** terminal on the TV.
- Make sure the input selector of the amplifier is set properly.
- The TV is in the special playback mode.

Picture is distorted during fast reverse/forward playback

- The picture will be distorted occasionally.

Stopping playback, search, slow-motion play, or changing angles, etc. cannot be performed

- Some discs may not perform certain functions.

No surround sound

- The setup may not match your stereo system.

The TV or remote operation key is not functioning

- Turn off the TV and unplug the AC power cord for several minutes, then replug it.

Audio soundtrack and/or subtitle language is not changed when you play back a DVD

- Multilingual language is not recorded on the DVD disc.

No subtitle

- Some discs have no subtitles.
- Subtitles are cleared. Press SUB TITLE.

Angle cannot be changed

- Multi-angles are not recorded on the DVD discs.

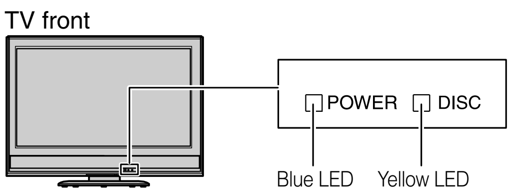
✋ appears on the screen

- The function is prohibited with the TV or the disc.

LED indications

The blue and yellow LED lights on the TV front indicate the TV's status, as described below.

Note: *If the TV loses A/C power (e.g., a power outage occurs or the power cord is unplugged), when power is restored, the yellow LED will blink while the TV is booting until the remote control is usable. This is normal and is not a sign of malfunction.*



LED Indication	Condition	Solution
1) Blue is ON (solid).	The TV is operating properly.	–
2) Yellow is ON (solid).	The disc is in the disc slot.	–
3) Yellow blinks three times.	The TV is rebooting.	Wait several seconds until the yellow LED stops blinking.
4) Blue blinks slowly.	Abnormal operation of BUS line.	Turn OFF the TV and unplug the power cord. Plug the power cord in again and turn ON the TV.
5) Blue blinks quickly.	Power Protect Detection.	

If, after trying the solutions, the problem still exists:

- In the U.S., call TACP Consumer Solutions at 1-800-631-3811.
- In Canada, locate the nearest Toshiba authorized service depot by directing your web browser to **www.toshiba.ca**; click "Home Entertainment," and then click "Support."

Specifications

Note:
- ***This model complies with the specifications listed below.***
- ***Designs and specifications are subject to change without notice.***
- ***This model may not be compatible with features and/or specifications that may be added in the future.***

Television System

NTSC standard
ATSC standard (8VSB)
Digital Cable (64 QAM, 256 QAM; in-the-clear, unencrypted)

Channel Coverage

VHF: 2 through 13
UHF: 14 through 69
Cable TV: Mid band (A-8 through A-1, A through I)
Super band (J through W)
Hyper band (AA through ZZ, AAA, BBB)
Ultra band (65 through 94, 100 through 135)

Power Source

120 V AC, 60 Hz

Power Consumption

26HLV66: 99 W (average)
19 W in standby mode
32HLV66: 121 W (average)
19 W in standby mode
37HLV66: 131 W (average)
19 W in standby mode

Audio Power

10 W + 10 W

Speaker Type

Two 2-3/8 × 4-3/4 inches (6 × 12 cm)

Video/Audio Terminals

S-VIDEO INPUT:
Y: 1 V(p-p), 75 ohm, negative sync.
C: 0.286 V(p-p) (burst signal), 75 ohm

VIDEO/AUDIO INPUT:
VIDEO: 1 V(p-p), 75 ohm, negative sync.
AUDIO: 150 mV(rms) (30% modulation equivalent, 22 k ohm or greater)

ColorStream® (component video) HD INPUT:
VIDEO:Y: 1V(p-p), 75 ohm
PR: 0.7 V(p-p), 75 ohm
PB: 0.7 V(p-p), 75 ohm
Suggested formats: 1080i, 480p, 480i, 720p
AUDIO: 150 mV(rms), 22 k ohm or greater

HDMI™ INPUT:
HDMI compliant (type A connector)
HDCP compliant
E-EDID* compliant
Suggested formats: 1080i, 480p, 480i, 720p
HDMI Audio: 2-channel L-PCM; 32/44.1/48 kHz sampling frequency; 16/20/24 bits per sample

VIDEO/AUDIO OUTPUT (also for recording):
VIDEO: 1 V(p-p), 75 ohm, negative sync.
AUDIO: 150 mV(rms) (30% modulation equivalent, 2.2 k ohm or less)

DIGITAL AUDIO OUTPUT:
Optical type

PC INPUT:
15-Pin D-sub Analog RGB

RJ-45 port:
Standard Ethernet (RJ-45)

DVD/CD Player

DVD signal system	NTSC
DVD region number	1
Applicable disc	1. DVD (12cm, 8cm [with Disc adapter]) 2. CD (12cm, 8cm [with Disc adapter])
Pickup	1-Lens, 2-Beams system

Dimensions

26HLV66: Width: 26 inches (660 mm)
Height: 21-1/16 inches (535 mm)
Depth: 10-25/32 inches (274 mm)
32HLV66: Width: 31-1/4 inches (794 mm)
Height: 24-1/16 inches (611 mm)
Depth: 11-13/16 inches (300 mm)
37HLV66: Width: 38-7/16 inches (916 mm)
Height: 27-3/22 inches (688 mm)
Depth: 11-13/16 inches (300 mm)

Weight

26HLV66: 34.0 lbs (15.4 kg)
32HLV66: 45.0 lbs (20.4 kg)
37HLV66: 58.0 lbs (26.3 kg)

Operating conditions

Temperature: 32ºF - 95ºF (0ºC - 35ºC)
Humidity: 20 - 80% (no moisture condensation)

Supplied Accessories

- Remote control with two size “AAA” batteries
- Installation Guide
- Operating Guide (this book)
- Lead clip
  Use this clip to attach the TV to a wall, pillar, or other immovable structure. See item 19 on page 3 of the separate *Installation Guide*.

* E-EDID = Enhanced-Extended Display Identification

Limited United States Warranty

for LCD TV/DVD Combinations 26” and Larger

Toshiba America Consumer Products, L.L.C. (“TACP”) makes the following limited warranties to original consumers in the United States.

THESE LIMITED WARRANTIES EXTEND TO THE ORIGINAL CONSUMER PURCHASER OR ANY PERSON RECEIVING THIS LCD TV/DVD COMBINATION AS A GIFT FROM THE ORIGINAL CONSUMER PURCHASER AND TO NO OTHER PURCHASER OR TRANSFEREE.
LCD TV/DVD COMBINATIONS PURCHASED IN THE U.S.A. AND USED ANYWHERE OUTSIDE OF THE U.S.A., INCLUDING, WITHOUT LIMITATION, CANADA AND MEXICO, ARE NOT COVERED BY THESE WARRANTIES.
LCD TV/DVD COMBINATIONS PURCHASED ANYWHERE OUTSIDE OF THE U.S.A., INCLUDING, WITHOUT LIMITATION, CANADA AND MEXICO, AND USED IN THE U.S.A., ARE NOT COVERED BY THESE WARRANTIES.

Limited One (1) Year Warranty on Parts and Labor
TACP warrants this LCD TV/DVD Combination and its parts against defects in materials or workmanship for a period of one (1) year after the date of original retail purchase. DURING THIS PERIOD, TACP WILL, AT TACP’S OPTION, REPAIR OR REPLACE A DEFECTIVE PART WITH A NEW OR REFURBISHED PART WITHOUT CHARGE TO YOU FOR PARTS OR LABOR. During this period, TACP Authorized Service Station personnel will come to your home when warranty service is required. Depending on the type of repair required, the service will either be performed in your home or the LCD TV/DVD Combination will be taken to a TACP Authorized Service Station for repair and returned to your home at no cost to you.

Rental Units
The warranty for LCD TV/DVD Combination rental units begins on the date of the first rental or thirty (30) days after the date of shipment to the rental firm, whichever comes first.

Limited Warranty for Commercial Units
TACP warrants LCD TV/DVD Combinations that are sold and used for commercial purposes as follows: all parts are warranted against defects in materials or workmanship for a period of ninety (90) days after the date of original retail purchase. DURING THIS PERIOD, TACP WILL, AT TACP’S OPTION, REPAIR OR REPLACE A DEFECTIVE PART WITH A NEW OR REFURBISHED PART WITHOUT CHARGE TO YOU.

Owner’s Manual and Product Registration Card
Read this owner’s manual thoroughly before operating this LCD TV/DVD Combination.

Complete and mail the enclosed product registration card or register your LCD TV/DVD Combination online at **www.tacp.toshiba.com/service** as soon as possible. By registering your LCD TV/DVD Combination you will enable TACP to bring you new products specifically designed to meet your needs and help us to contact you in the unlikely event a safety notification is required under the U.S. Consumer Product Safety Act.
Failure to complete and return the product registration card does not diminish your warranty rights.

Your Responsibility

THE ABOVE WARRANTIES ARE SUBJECT TO THE FOLLOWING CONDITIONS:

(1) You must retain your original bill of sale or provide other proof of purchase.
(2) All warranty servicing of this LCD TV/DVD Combination must be performed by an Authorized TACP Service Station.
(3) The warranties from TACP are effective only if this LCD TV/DVD Combination is purchased and operated in the Continental U.S.A. or Puerto Rico.
(4) Labor service charges for set installation, setup, adjustment of customer controls, and installation or repair of antenna systems are not covered by this warranty. Reception problems caused by inadequate antenna systems, misaligned satellite dishes, cable television distribution, VCRs, DVD players/recorders, personal computer level IEEE-1394 devices, and any other connected signal source device are your responsibility.
(5) Warranties extend only to defects in materials or workmanship as limited above, and do not extend to any LCD TV/DVD Combination or parts that have been lost or discarded by you or to damage to the LCD TV/DVD Combination or parts caused by fires, misuse, accident, Acts of God (such as lightning or fluctuations in electric power), improper installation, improper maintenance, or use in violation of instructions furnished by TACP; use or malfunction through simultaneous use of this LCD TV/DVD Combination and connected equipment; or to units that have been modified or had the serial number removed, altered, defaced, or rendered illegible.

How to Obtain Warranty Service

If, after following all of the operating instructions in this manual and reviewing the section entitled “Troubleshooting,” you find that service is needed:

(1) To find the nearest TACP Authorized Service Station, visit TACP’s website at **www.tacp.toshiba.com/service** or contact TACP’s Consumer Solution Center toll free at 1-800-575-5469.
(2) You must present your original bill of sale or other proof of purchase to the TACP Authorized Service Station.

For additional information, visit TACP’s website: www.tacp.toshiba.com

ALL WARRANTIES IMPLIED BY THE LAW OF ANY STATE OF THE U.S.A., INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE EXPRESSLY LIMITED TO THE DURATION OF THE LIMITED WARRANTIES SET FORTH ABOVE. WITH THE EXCEPTION OF ANY WARRANTIES IMPLIED BY THE LAW OF ANY STATE OF THE U.S.A. AS HEREBY LIMITED, THE FOREGOING WARRANTY IS EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES, GUARANTEES, AGREEMENTS, AND SIMILAR OBLIGATIONS OF TACP WITH RESPECT TO THE REPAIR OR REPLACEMENT OF ANY PARTS. IN NO EVENT SHALL TACP BE LIABLE FOR CONSEQUENTIAL OR INCIDENTAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, LOST PROFITS, BUSINESS INTERRUPTION, OR MODIFICATION OR ERASURE OF RECORDED DATA CAUSED BY USE, MISUSE OR INABILITY TO USE THIS LCD TV/DVD COMBINATION).

No person, agent, distributor, dealer, or company is authorized to change, modify, or extend the terms of these warranties in any manner whatsoever. The time within which an action must be commenced to enforce any obligation of TACP arising under the warranty or under any statute or law of the United States or any state thereof is hereby limited to ninety (90) days from the date you discover, or should have discovered, the defect. This limitation does not apply to implied warranties arising under the law of any state of the U.S.A.

THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS AND YOU MAY ALSO HAVE OTHER RIGHTS WHICH MAY VARY FROM STATE TO STATE IN THE U.S.A. SOME STATES OF THE U.S.A. DO NOT ALLOW LIMITATIONS ON THE DURATION OF AN IMPLIED WARRANTY, WHEN AN ACTION MAY BE BROUGHT, OR THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES. THEREFORE, THE ABOVE PROVISIONS MAY NOT APPLY TO YOU UNDER SUCH CIRCUMSTANCES.

Limited Canada Warranty

for LCD TV/DVD Combination

Toshiba of Canada Limited ("TCL") makes the following limited warranties to original consumers in Canada.

LCD TV/DVD COMBINATIONS PURCHASED IN CANADA AND USED ANYWHERE OUTSIDE OF CANADA, INCLUDING, WITHOUT LIMITATION, THE U.S.A. AND MEXICO, ARE NOT COVERED BY THESE WARRANTIES.
LCD TV/DVD COMBINATIONS PURCHASED ANYWHERE OUTSIDE OF CANADA, INCLUDING, WITHOUT LIMITATION, THE U.S.A. AND MEXICO, AND USED IN CANADA, ARE NOT COVERED BY THESE WARRANTIES.
THESE LIMITED WARRANTIES EXTEND TO THE ORIGINAL CONSUMER PURCHASER OR ANY PERSON RECEIVING THIS LCD TV/DVD COMBINATION AS A GIFT FROM THE ORIGINAL CONSUMER PURCHASER AND TO NO OTHER PURCHASER OR TRANSFEREE.

Limited One (1) Year Warranty on Parts and Labor

TCL warrants this LCD TV/DVD Combination and its parts against defects in materials or workmanship for a period of one (1) year after the date of original retail purchase. DURING THIS PERIOD, TCL WILL, AT TCL'S OPTION, REPAIR OR REPLACE A DEFECTIVE PART WITH A NEW OR REFURBISHED PART WITHOUT CHARGE TO YOU FOR PARTS OR LABOR.

a) FOR LCD TV/DVD COMBINATIONS UNDER 37":

To receive warranty service, you must return the LCD TV/DVD Combination to a TCL Authorized Service Depot.

b) FOR LCD TV/DVD COMBINATIONS 37" AND LARGER:

During this period, TCL Authorized Service Depot personnel will come to your home when warranty service is required. Depending on the type of repair required, the service will either be performed in your home or the LCD Television will be taken to a TCL Authorized Service Depot for repair and returned to your home at no cost to you. IN-HOME SERVICE ONLY APPLIES WITHIN 100 KILOMETERS OF AN AUTHORIZED TCL SERVICE DEPOT.

Rental Units

The warranty for rental units begins with the date of first rental or thirty (30) days from the date of shipment to the rental firm, whichever comes first.

Commercial Units

LCD TV/DVD Combinations sold and used for commercial purposes have a limited ninety (90) day warranty for all parts and labor.

Owner's Manual and Product Registration

Read this owner 's manual thoroughly before operating this LCD TV/DVD Combination. If you purchased your LCD TV/DVD Combination in Canada, register it online at **www.toshiba.ca** as soon as possible. By registering your product you will enable TCL to bring you new products specifically designed to meet your needs and help us to contact you in the unlikely event a safety notification is required. **Failure to register online does not diminish your warranty rights.**

Your Responsibility

THE ABOVE WARRANTIES ARE SUBJECT TO THE FOLLOWING CONDITIONS:

(1) You must provide your bill of sale or other proof of purchase.
(2) All warranty servicing of this LCD TV/DVD Combination must be made by an Authorized TCL Service Depot.
(3) The warranties from TCL are effective only if the LCD TV/DVD Combination is purchased in Canada from an authorized TCL dealer and operated in Canada.
(4) Labor charges for installation, setup, adjustment of customer controls, and installation or repair of antenna systems are not covered by these warranties. Reception problems caused by inadequate antenna systems are your responsibility.
(5) Warranties extend only to defects in materials or workmanship as limited above, and do not extend to any LCD TV/DVD Combination or parts that have been lost or discarded by you or to damage to the LCD TV/DVD Combination or parts caused by fires, misuse, accident, Acts of God (such as lightning or fluctuations in electric power), improper installation, improper maintenance, or use in violation of instructions furnished by TCL; use or malfunction through simultaneous use of this product and connected equipment; or to units that have been modified or had the serial number removed, altered, defaced, or rendered illegible.

How to Obtain Warranty Services

If, after following all of the operating instructions in this manual and checking the "Troubleshooting" section, you find that service is needed:

(1) To find the nearest TCL Authorized Service Depot, visit TCL 's web site at **www.toshiba.ca**.
(2) Present your bill of sale or other proof of purchase to the Authorized Service Depot.

For additional information, visit TCL's web site: www.toshiba.ca

ALL WARRANTIES IMPLIED BY THE LAW OF ANY PROVINCE OF CANADA, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE EXPRESSLY LIMITED TO THE DURATION OF THE LIMITED WARRANTIES SET FORTH ABOVE. WITH THE EXCEPTION OF ANY WARRANTIES IMPLIED BY THE LAW OF ANY PROVINCE OF CANADA AS HEREBY LIMITED, THE FOREGOING WARRANTY IS EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES, GUARANTEES, AGREEMENTS, AND SIMILAR OBLIGATIONS OF TCL WITH RESPECT TO THE REPAIR OR REPLACEMENT OF ANY PARTS. IN NO EVENT SHALL TCL BE LIABLE FOR CONSEQUENTIAL OR INCIDENTAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, LOST PROFITS, BUSINESS INTERRUPTION, OR MODIFICATION OR ERASURE OF RECORDED DATA) CAUSED BY USE, MISUSE, OR INABILITY TO USE THIS PRODUCT.

No person, agent, distributor, dealer, or company is authorized to change, modify, or extend the terms of these warranties in any manner whatsoever. The time within which action must be commenced to enforce any obligation of TCL arising under this warranty or under any law of Canada or of any province thereof is hereby limited to 90 days from the date you discover, or should have discovered, the defect. This limitation does not apply to implied warranties arising under the law of any province of Canada.

THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS, WHICH MAY VARY FROM PROVINCE TO PROVINCE IN CANADA. SOME PROVINCES OF CANADA DO NOT ALLOW LIMITATIONS ON THE DURATION OF AN IMPLIED WARRANTY, LIMITATIONS ON THE TIME WITHIN WHICH AN ACTION MAY BE BROUGHT, OR THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES; THEREFORE, THE ABOVE LIMITATIONS OR EXCLUSIONS MAY NOT APPLY TO YOU UNDER SUCH CIRCUMSTANCES.

A copy of the GPL source code in this product may be obtained by contacting Toshiba Consumer Solutions at (800)631-3811. There will be a charge to cover the costs of providing the source code.

A copy of the LGPL source code in this product may be obtained by contacting Toshiba Consumer Solutions at (800)631-3811. There will be a charge to cover the costs of providing the source code.

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